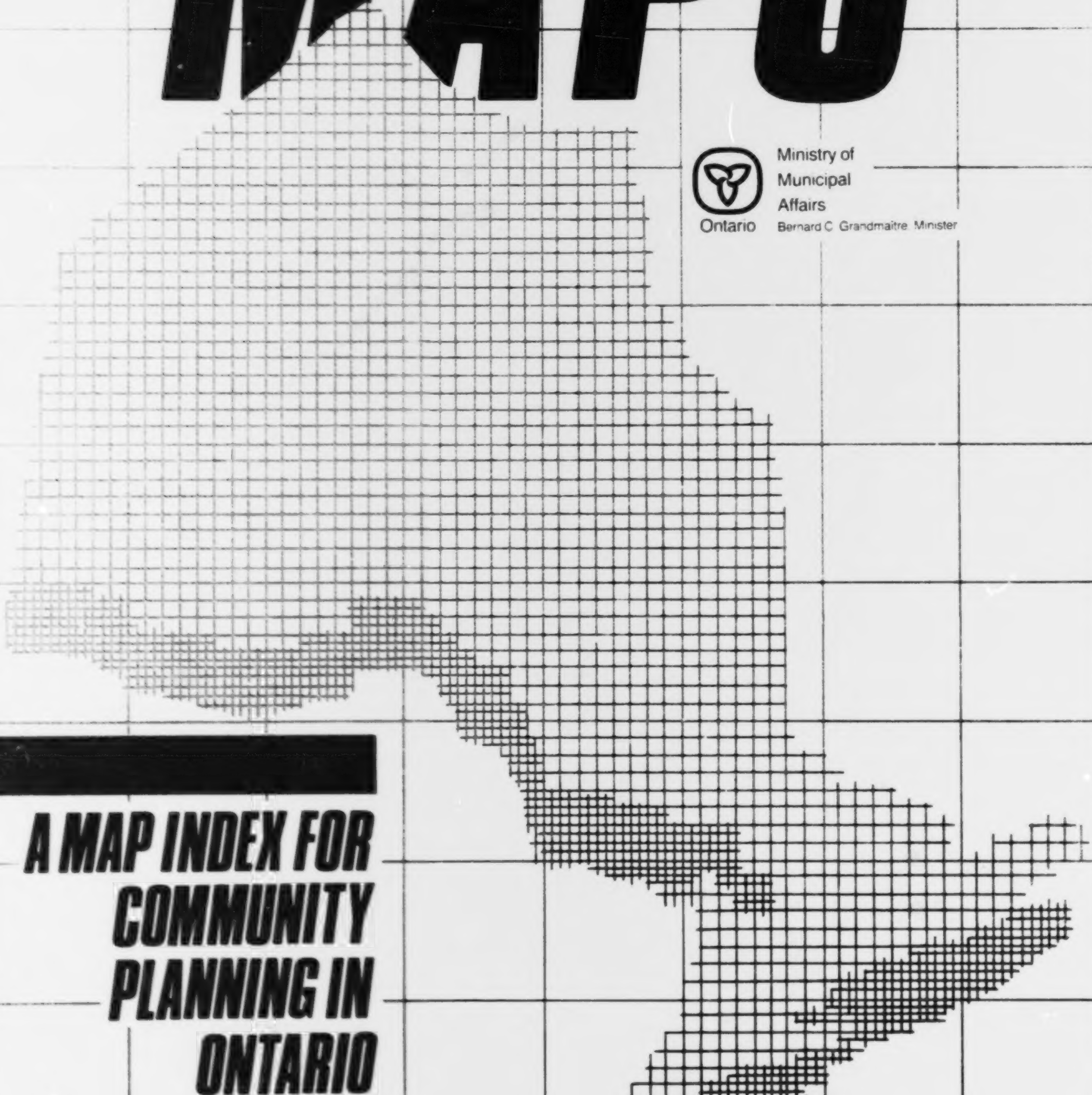
# MAPS



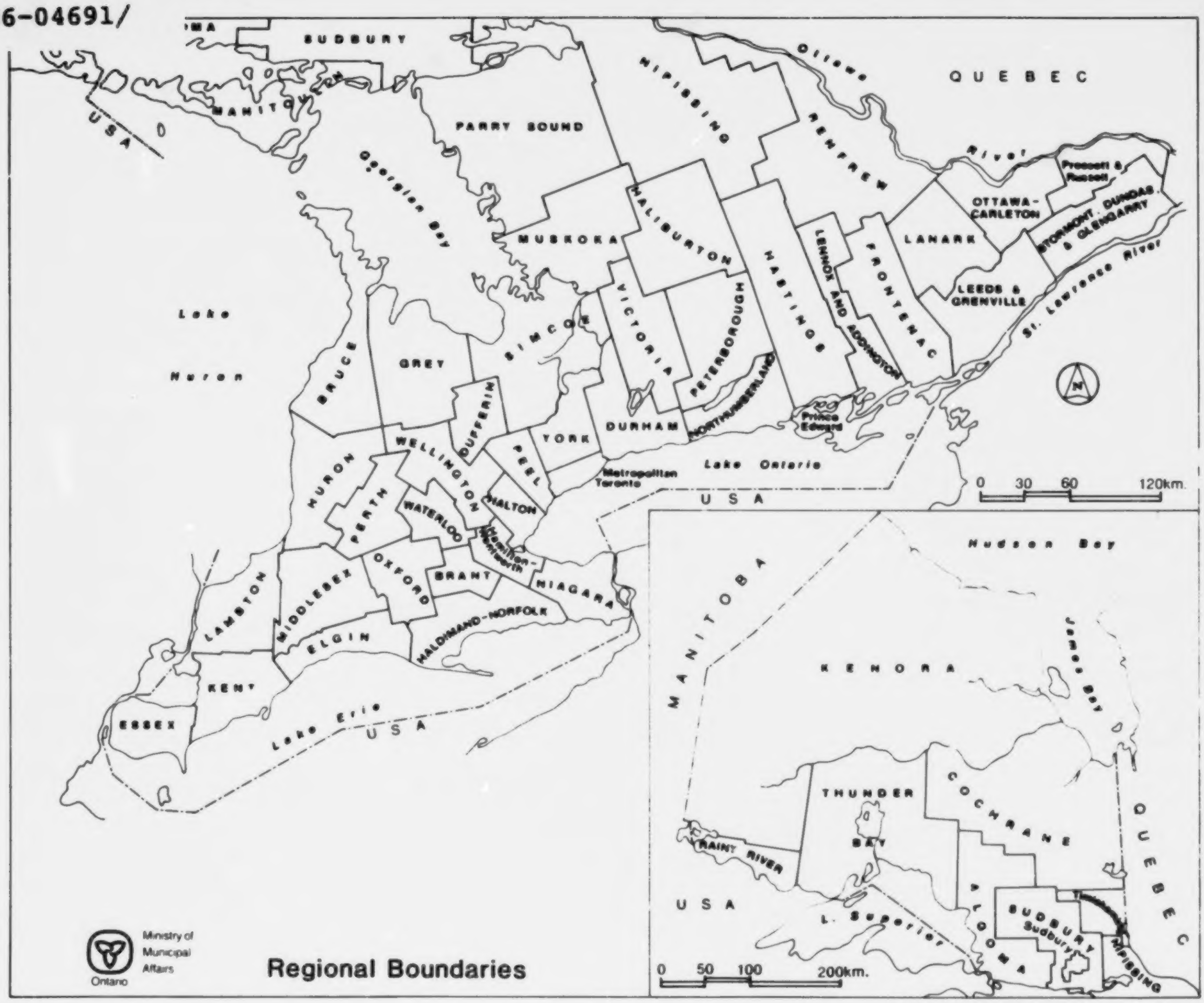
Ministry of
Municipal
Affairs

Ontario

Bernard C. Grandmaitre, Minister

## A MAP INDEX FOR COMMUNITY PLANNING IN ONTARIO

86-04691/


SUDBURY
MANITOULIN
USA
PARRY SOUND
NIPISSING
Ottawa River
QUEBEC
RENFREW
Georgian Bay
Prescott & Russell
OTTAWA-CARLETON
STORMONT, DUNDAS & GLENGARRY
MUSKOKA
HALIBURTON
LANARK
LENNOX AND ADDINGTON
FRONTENAC
HASTINGS
LEEDS & GRENVILLE
St. Lawrence River
Lake Huron
VICTORIA
PETERBOROUGH
SIMCOE
BRUCE
GREY
DUFFERIN
NORTHUMBERLAND
Prince Edward
YORK
DURHAM
PEEL
WELLINGTON
Metropolitan Toronto
Lake Ontario
HURON
PERTH
WATERLOO
HALTON
Hamilton-Wentworth
0 30 60 120km.
LAMBTON
MIDDLESEX
OXFORD
BRANT
NIAGARA
HALDIMAND-NORFOLK
ELGIN
KENT
ESSEX
Lake Erie
Hudson Bay
MANITOBA
KENORA
James Bay
THUNDER BAY
COCHRANE
RAINY RIVER
ALGOMA
SUDBURY
Sudbury
NIPISSING
L. Superior
0 50 100 200km.
Ministry of Municipal Affairs
Ontario

Regional Boundaries

**Canadian Cataloguing in Publication Data**

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# MAPS

## A MAP INDEX FOR COMMUNITY PLANNING IN ONTARIO

Prepared by
Research and Special
Projects Branch

Community Planning Wing

Ministry of Municipal Affairs

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Ministry of the Environment
Ministry of Natural Resources
Ministry of Northern Development and Mines
Ministry of Transportation and Communications
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# GENERAL INFORMATION

## Introduction

A great number of maps, useful to planners, are available from municipal, provincial and federal sources. In many instances, however, these resources are underutilized because potential users are unaware of their existence. This results from the lack of a single source of comprehensive information on the subject. Similarly, no consolidated source exists regarding the extent to which the province has been covered by aerial photography. Consequently, the Ministry of Municipal Affairs has investigated sources of mapping and aerial photography pertinent to the Province of Ontario and has compiled the information in a handbook form for distribution to municipal planners and the public.

The handbook has two sections. The first section deals, very generally, with mapping interpretation and application issues. The second section is composed of samples of available maps with information on scales, sources, coverage, features and publishers. Included in this section and under the heading, *Base Mapping for Planning*, is the most useful map base information for planning related studies, namely the Ontario Basic Mapping Program and the National Topographic System.

The maps have been grouped under the following subject headings:

- ☐ Base Mapping for Planning
- ☐ Administration
- ☐ Social and Economic
- ☐ Land Use
- ☐ Transportation
- ☐ Natural Resources
- ☐ Hydrography and Flood Plain
- ☐ Geology and Mining
- ☐ Climate
- ☐ Recreation

For economic and practical reasons, some of the information on the maps was deleted as indicated below:

### Colour

All maps in the handbook are reproduced in black and white. Those available in colour are identified.

### Prices of Maps/Aerial Photography

Since map prices are modest and subject to change, they have not been included in the handbook. Aerial photography costs are included in that section of the handbook.

### Publishing Dates

Map series are produced over long periods of time, resulting in publishing date disparities among maps in the same series. Therefore, dates of publication are not provided in the handbook. It is assumed that the publisher will provide the most current information. The flight dates of aerial photography are included.

### Scope

Due to the diversity and quantity of the maps available at regional and local levels, these maps have not been included in the handbook. It is suggested that specific municipalities be contacted on an individual basis for information.

### Coverage

The coverage shown schematically with each map sample is only meant to give a generalized picture of the areas covered by published maps on the series. We suggest that for more accurate and up to date information the reader consult the "source" as shown on the lower left hand corner of each map sample page.

## Scale and Use of Maps*

Map scale and content should always be chosen on a task specific basis. To effectively do this, the planner needs to understand the limitations and possibilities of various scales in order to receive the full benefit from the maps and aerial photography he/she is using.

**Relation of scale to ground area, cartographic information and relative error.**

| SCALE FRACTION | RELATIVE SIZE | GROUND AREA | CARTO-GRAPHIC INFO. | RELATIVE ERROR |
|---|---|---|---|---|
| 1/10,000 | larger scale | small ground area per sq. inch of map | more ground detail per in. of map | less error due to scale |
| 1/25,000 | | | | |
| 1/31,000 | | | | |
| 1/50,000 | ↕ | ↕ | ↕ | ↕ |
| 1/63,360 | | | | |
| 1/125,000 | | | | |
| 1/126,000 | | | | |
| 1/250,000 | | large ground area sq. in. of map | less ground detail per sq. in. of map | |
| 1/500,000 | | | | more error due to scale |
| 1/1,000,000 | smaller scale | | | |

SOURCE: Ontario Institute of Pedology, *A Guide to the Use of Land Information*, University of Guelph, Guelph, Ontario, 1979.

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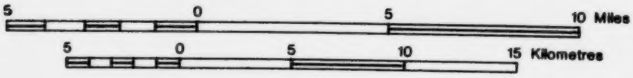
*Richards N.R. et al, *A Guide to the Use of Land Information*, Ontario Institute of Pedology, University of Guelph, 1979.

Scale is the ratio of the distance separating two points on a map and the distance separating the same points on the earth's surface. A scale of 1:1000 or 1/1000 means that one centimeter distance on the map represents 1000 centimeters if measured on the ground. Scales can be shown by a ratio or by a fraction as shown above or by a graphic device (bar scale) where map distances are represented by a bar with the actual ground distances shown numerically.

Examples of ratio and bar scales.

**Scale 1 : 300 000**

**1 inch equals approximately 4.73 miles**



Map Scales for different planning applications

| SCALE | PURPOSE |
|---|---|
| 1:1,000 to 1:5,000 | Land management and farm planning; cropping systems, erosion control, neighbourhood planning |
| 1:5,000 to 1:11,000 | Land use decisions such as the location of areas for houses, highways, hydro-towers etc. |
| 1:11,000 to 1:26,000 | Feasibility studies for project planning at the municipal, township and urban level. |
| 1:26,000 to 1:70,000 | Semi-detailed resource inventory information for county and regional planning, and for the location of parks, recreational areas and transport routes. |
| 1:70,000 to 1:130,000 | Information for regional inventory and planning and rural development schemes. |
| 1:130,000 to 1:600,000 | Information for provincial and national inventory and planning. |
| 1:600,000 to 1:1,000,000 + | Information for national inventory and planning relative to neighbouring provinces and other countries. |

NOTE: The scales recommended are approximate guides only.
SOURCE: Ontario Institute of Pedology, *A Guide to the Use of Land Information*, University of Guelph, Guelph, Ontario, 1979.

Scale size is often a source of confusion. What is a large scale? Is it the one with the greatest ratio or the one with the smallest?

The size of a map scale is always inversely proportional to the size of the denominator. For example, of these two scales 1/50,000 and 1/25,000, the latter is the larger, since it will contain more information per square unit of map area.

The level of detail will determine the use for which a map is the most suited. This is why the Ontario Basic Mapping Program produces maps at three scales, 1:2,000, 1:10,000 and 1:20,000.

For those readers interested in more detailed information on the use of maps, *The Guide to the Use of Land Information*, prepared by the Ontario Institute of Pedology is highly recommended, since it goes into areas beyond the scope of this study.

## Aerial Photographs*

Photographs, like maps, have many applications. Aerial photographs were the first remote sensing device utilized to inventory and map the characteristics of the earth. Aerial photographs have the advantage of giving a great amount of detail and information about tones and textures of the ground surface.

Photographs are available at varying scales. Scales can range from 1:2000 to 1:60,000 or greater. Larger scales are used for accurate measurements and detailed mapping. Smaller scales are used for general mapping.

The Relation of flight purpose to film type, season and scale of air photographs

| PURPOSE OF FLIGHT | POSSIBLE FILM | POSSIBLE SEASON | POSSIBLE SCALE |
|---|---|---|---|
| Forest mapping and inventory | Black and White | Summer (in Ontario, July is preferred) | Generally, 1:15,000. For sample plots scales may be as large as 1:2,000. |
| Topographic Mapping | Black and White | Early Spring | For general mapping 1:20,000 - 1:50,000. For engineering uses 1:2,000 - 1:10,000. |
| Urban planning<br>Urban house<br>Urban traffic studies<br>Real estate assessment | Black and White | Late Fall | 1:5,000 - 1:10,000 |
| Land Use Mapping | Black and White | Summer | General mapping, 1:50,000.<br>Detailed mapping, 1:15,000. |
| Soil surveys (detailed or semi-detailed) | Black and White or Colour | Early Spring | 1:10,000 - 1:20,000 |
| Plant diseases | False-colour Infrared (I.R.) | Spring, Summer | 1:1,000 - 1:20,000 |
| Insect damage (seldom done in Ontario) | Colour, or false-colour infrared (I.R.) | Spring, Summer | 1:500 - 1:5,000 |
| Pollution assessment. Effect of pollution on plants and pollution of water courses. | Colour, or false-colour infrared (I.R.) | Any Season | 1:5,000 - 1:10,000 |

SOURCE: Ontario Institute of Pedology, *A Guide to the Use of Land Information*. University of Guelph, Guelph, Ontario, 1979.

There are a variety of aerial photographs available:

- ☐ Black and White Photographs
- ☐ Stereo Photographs
- ☐ Colour Photographs
- ☐ False Colour Infrared Photographs
- ☐ LANDSAT and SLAR (thermal) Imagery

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*Source: Richards N. R. et al, *A Guide to the Use of Land Information*, Ontario Institute of Pedology, University of Guelph, 1979.

### Black and White Photographs

Black and white photographs are available for most areas in Ontario. They can be used in the delineation of urban and rural land uses, in site and transport route selections. In urban areas, black and white photographs are most useful in such planning applications as street layouts, house counts and urban development. In rural areas, black and white photographs are useful in the identification of tree species, property boundaries, rivers, drainage patterns, erosion damage and agricultural land uses.

Uses of different types of aerial photography.

| Type of Photograph/Imagery | Examples of What can be Determined From it |
|---|---|
| Black and White (single ½ mosaics). The detail seen on a photograph depends on the scale and season in which the photograph is taken | Land use: Urban versus rural areas. In urban areas - house counts, street layouts, urban development and other town planning. In rural areas - forests of conifers versus forests of deciduous trees. Scrub land, farmland, fence rows, property boundaries, farmsteads, roads, rivers. Using changes in tone, drainage and erosion damage can be picked out. Areas of reforestation. Site location, route selections, agricultural land use. |
| Stereo Photographs | In addition to all the above, topography and surface drainage can be interpreted. Soil mapping and geological mapping can be done. More detail can be obtained for urban planning, rural planning, forest surveys and tree identification, topographic mapping and highway route selection. Using photogrammetric techniques, height measurements can be obtained for landforms and buildings: and complete topographic mapping can be accomplished. |
| Colour Photographs | Show all that black and white photographs show. In some cases, colour photographs provide more information than black and white, for example, for the identification of insect damage, and plant diseases in crop or forest land. |
| False-Colour Infrared Photographs | These can be used for surveying wetlands or tidal areas, identifying crop disease of all types and insect damage. There are many other specialised uses, on which further information can be obtained from the air photo libraries. |
| Remote Sensing | Land Use Changes, Geological features - (drumlins, eskers, faults), Physiographic features - (gravel pits), Cultural features, - (Roads, subdivisions, Permafrost mapping, Pipeline and transportation route selection). |

SOURCE: Ontario Institute of Pedology, *A Guide to the Use of Land Information*, University of Guelph, Guelph, Ontario, 1979.

### Stereo Photographs

Stereo photographs are a useful means of examining terrain since they permit the interpreter to view features in three dimensions. By placing two different views of the same terrain under a stereoscope, a more detailed topographic composition of an area is provided. Stereo photographs are useful in highway route selection, rural and urban planning. With various photogrammatric techniques, height measurements can be obtained for land forms and buildings.

### Colour Photographs

Colour photographs show the same information as black and white photographs, but they are far easier to interpret. They are extremely useful in discriminating between tree and plant species and in the identification of insect damage.

### False Colour Infrared Photographs

The film used for such photographs contains the same colouring dyes and is processed in the same way as regular colour film, however it picks up green, red and near infrared light, instead of blue, green and red. Such photography is used in a number of investigations, including the identification of land use, crops, geological formations, forest species, vegetation diseases, water pollution, surveying wet lands and flood prone areas.

### Remote Sensing

Remote sensing refers to the detection and measurement of features on the Earth's surface without actually coming into contact with these features.

Classic photointerpretation of black and white airphotos has been the earliest form of remote sensing. More recently, data or imagery from orbiting satellites (LANDSAT) has been the main focus of remote sensing and has been used for resource inventory (eg. forestry, agriculture), mapping (eg. geology, peatlands), monitoring (eg. land use, urban expansion) and planning (pipeline, powerline, transportation routes). Special projects dealing with these applications have been successfully carried out by the Ontario Centre for Remote Sensing, Ministry of Natural Resources.

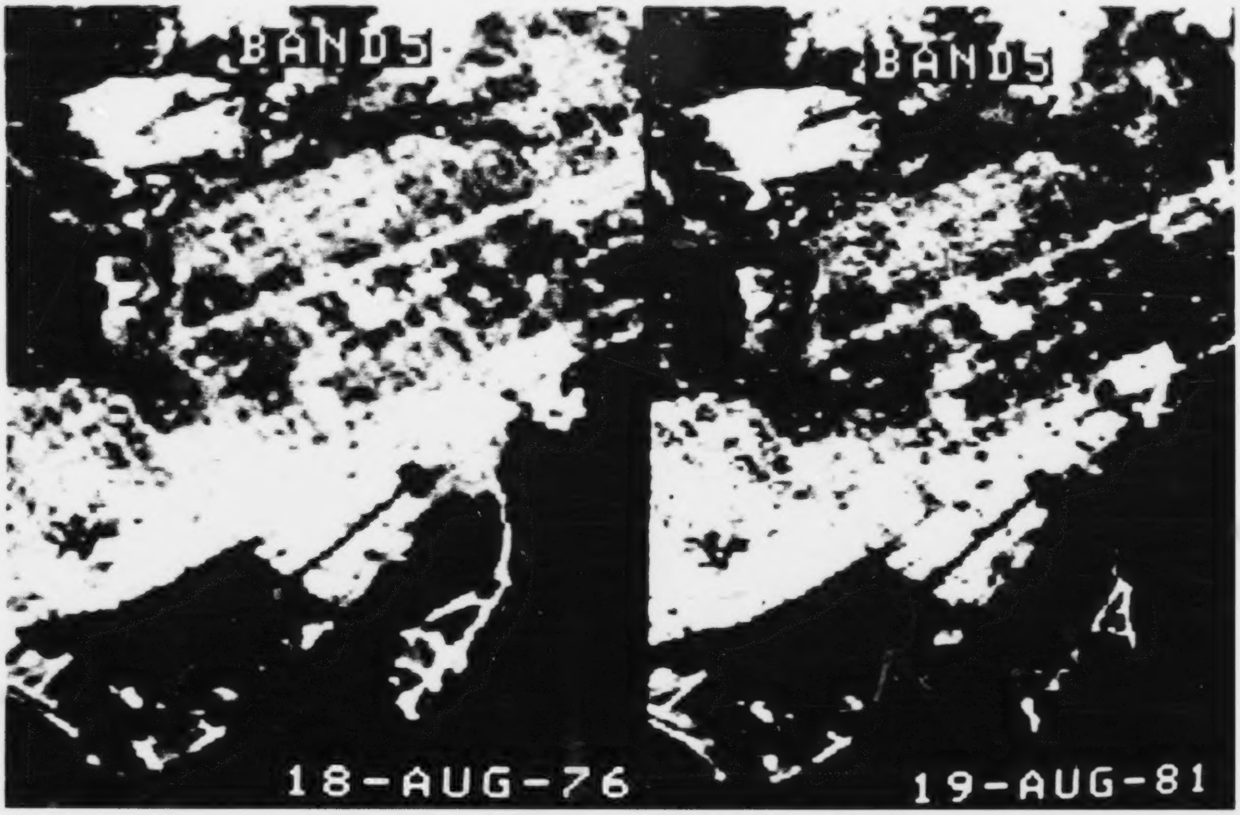
The LANDSAT series of satellites have been systematically recording data providing complete repetitive coverage for virtually every part of the Earth, thus providing a valuable historical account of physical changes over any one location.

The most recent satellite (LANDSAT 5) provides imagery with 30 metre resolution in a 185 km swath width every 16 days. Man-made features such as roads, gravel pits and built-up areas can be readily distinguished.

Sources of Remote Sensing data and information:

CANADA CENTRE FOR REMOTE SENSING
Energy, Mines and Resources, Canada
2464 Sheffield Road
Ottawa, Ontario K1A 0Y7
Telephone (613) 993-9900

ONTARIO CENTRE FOR REMOTE SENSING
Ministry of Natural Resources
880 Bay Street, 3rd Floor
Toronto, Ontario M5S 1Z8
Telephone (416) 965-6411



*Example of Remote Sensing imagery. Changes can be detected by interpreting the different shades of colour.*

## Sources of Aerial Photographic Information

**Ontario Ministry of Natural Resources**
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1123

- ☐ black and white vertical photographs
- ☐ enlargements available
- ☐ index map for photographs available on request free of charge
- ☐ photographs available at the following scales:
  - 1:50,000<br>1:30,000 Ontario Basic Mapping Program
  - 1:8,000<br>1:10,000 Forest Resource Inventory<br>1:15,840

**Department of Energy, Mines and Resources**
The National Air Photo Library
Surveys and Mapping Branch
615 Booth Street
Ottawa, Ontario
K1A 0E9
Tel. (613) 995-4560

- ☐ black and white vertical photographs
- ☐ enlargements available
- ☐ partial black and white coverage dating back to 1920
- ☐ complete provincial black and white photo coverage (1976) at scale of 1:50,000
- ☐ stereo photographs (60% overlap)
- ☐ limited colour photo coverage (some urban areas)
- ☐ limited infrared photo coverage
- ☐ LANDSAT imagery for province
- ☐ booklet on how to order aerial photographs and index map for satellite imagery is available

**Ontario Ministry of Transportation and Communications**
Surveys and Plans Office
Photogrammetry and Remote Sensing Section
East Building
1201 Wilson Avenue
Downsview, Ontario
M3M 1J8
For government and internal use only.

- ☐ black and white aerial photographic coverage of transportation facilities such as highways and airports

### Other Sources

- ☐ local municipalities
- ☐ public agencies (Ontario Hydro)
- ☐ private companies
- ☐ Ontario Centre for Remote Sensing provides viewing and screening service for remote sensing data.

### Further Considerations

When ordering photographs or images from any source, it is important to consider the following:

1. *What type of photograph do you want?*
   Black and white or colour photographs or satellite imagery.
2. *What do you want the photograph or image for?*
   Identification of land use, house counts or floodplain planning.
3. *What area do you want coverage for?*
   In some cases, region, county, town or city names might be all the information you need to identify a location. In other instances, a National Topographic System reference number may be useful. To avoid delays and ensure precision, it is recommended that a map with the area for which coverage is required be outlined and sent with the order.
4. *What scale do you want?*
   The scale at which the photographs are taken determines the applications and costs of the photography. Detail and cost are proportional to the size of the scale, thus the larger the scale, the more expensive the photography will be.
5. *Date, time and season of coverage*
   If other than the most recent photograph is required, it should be stated. As a rule, the agency providing the photography will reproduce the latest negatives if not instructed to do otherwise.

   New photography should be orderd in time for the most appropriate flying season. Topography is best photographed in the spring after the snow melts; flood plains are represented best on photographs taken in July. Since different features are picked up in different seasons, they should be specified when ordering the aerial photographs.

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# BASE MAPPING FOR PLANNING

| title | scale | page |
|---|---|---|
| Ontario, MCR 39 | 1:2,000,000 | 11 |
| National Topographic System | 1:1,000,000 | 12 |
| National Topographic System | 1:500,000 | 13 |
| National Topographic System | 1:250,000 | 14 |
| Provincial Series | 1:100,000 | 15 |
| Provincial Series | 1:126,720 | 16 |
| National Topographic System | 1:125,000 | 17 |
| National Topographic System | 1:50,000 | 18 |
| National Topographic System | 1:25,000 | 19 |
| Ontario Basic Mapping (OBM) | 1:20,000 | 20 |
| Ontario Basic Mapping (OBM) | 1:10,000 | 21 |
| Ontario Basic Mapping (OBM) | 1:2,000 | 22 |

## Planning

Although all the maps contained in this handbook are, to varying degrees, useful for community planning purposes, two of the sources are more readily applicable to the general needs of planners. Those are the Ontario Basic Mapping Program, carried out by the Ministry of Natural Resources, and the National Topographic Series, prepared by the Federal Government.

### Ontario Basic Mapping

This is the most detailed map series produced for the province of Ontario. Maps are available at the scales of 1:2000, 1:10,000 and 1:20,000.

The large scale maps (1:2000) are prepared upon request from urban municipalities and contain detailed information on roads, topography, vegetation and man-made features. These maps have applications in:

☐ Land use planning and administration
☐ Display information about property
☐ Preparation and amendment of official plans and zoning laws
☐ Engineering studies and preliminary design of utilities
☐ Subdivision design and development.

The medium scale maps (1:10,000) available for most of Southern Ontario, contain basically the same information as 1:2000 scale maps, but at a lower level of detail. Contour information, for example, is given at 5m intervals instead of 0.5m.

In general, maps at 1:10,000 scale can be used for:

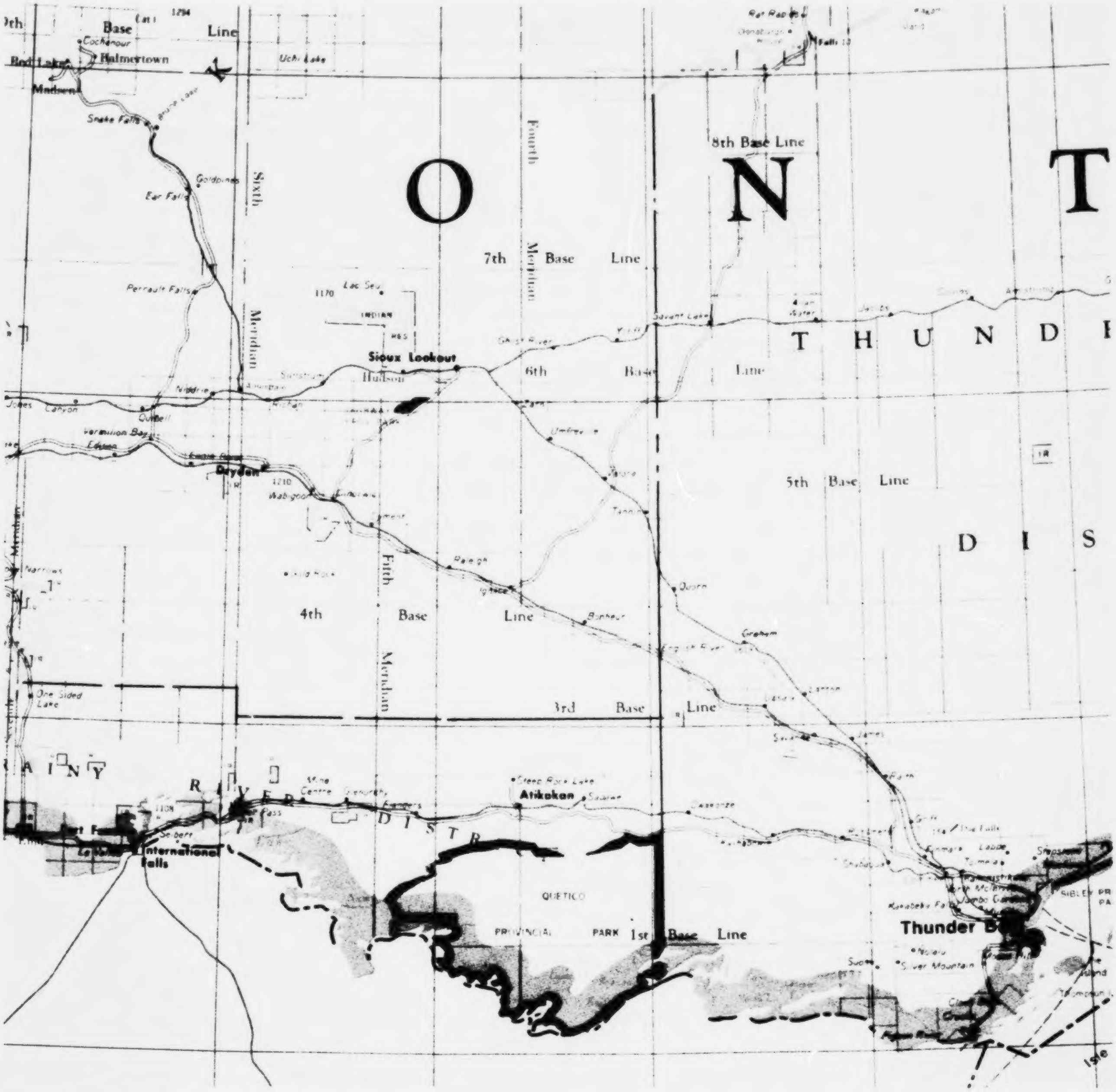
☐ Neighbourhood planning
☐ Regional planning
☐ Land and resource management
☐ Floor line mapping
☐ Maintaining records of land related information.

The small scale maps (1:20,000) are available for Northern Ontario where, because of the lower population densities, a lesser level of detail than in the more populated area of the Province is necessary. Large scale mapping (1:2000) is also available from M.N.R. upon request for urban municipalities in Northern Ontario.

### The National Topographic System (N.T.S.)

The Department of Energy, Mines and Resources is responsible for the mapping of the entire country. The mapping is produced at the scales of 1:50,000 and 1:250,000 and provides considerable level of detail. In addition to topographic information, the maps show lakes, rivers, streams, roads, buildings, airports, canals, railways, and political and administrative boundaries.

The NTS maps can be very useful in regional planning, and, since they are coloured, can provide a good base for displays.



Base Line
Cochenour
Balmertown
Red Lake
Madsen
Uchi Lake
Snake Falls
Goldpines
Ear Falls
Sixth Meridian
8th Base Line
O N T
7th Base Line
Fourth Meridian
Perrault Falls
Lac Seul
INDIAN RES
Sioux Lookout
Hudson
Savant Lake
6th Base Line
T H U N D
Canyon
Vermilion Bay
Eagle River
Dryden
Wabigoon
5th Base Line
D I S
Raleigh
Ignace
Fifth Meridian
4th Base Line
Bonheur
Graham
One Sided Lake
3rd Base Line
R A I N Y
R I V E R
D I S T R
Mine Centre
Atikokan
Steep Rock Lake
Fort Frances
International Falls
QUETICO
PROVINCIAL PARK
1st Base Line
Thunder Bay
Silver Mountain
SIBLEY PROVINCIAL PARK

## ONTARIO (MCR39)

**MAP FEATURES**
Urban centres, national and provincial capitals, boundaries, roads, railways, Indian reserves, provincial and national parks.

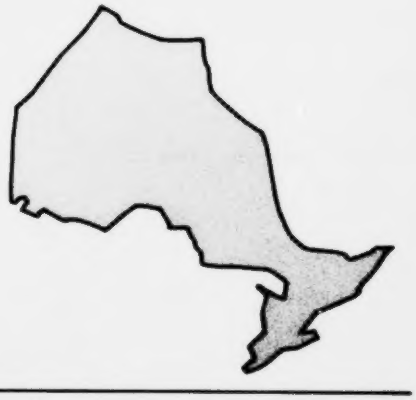
- Coloured map

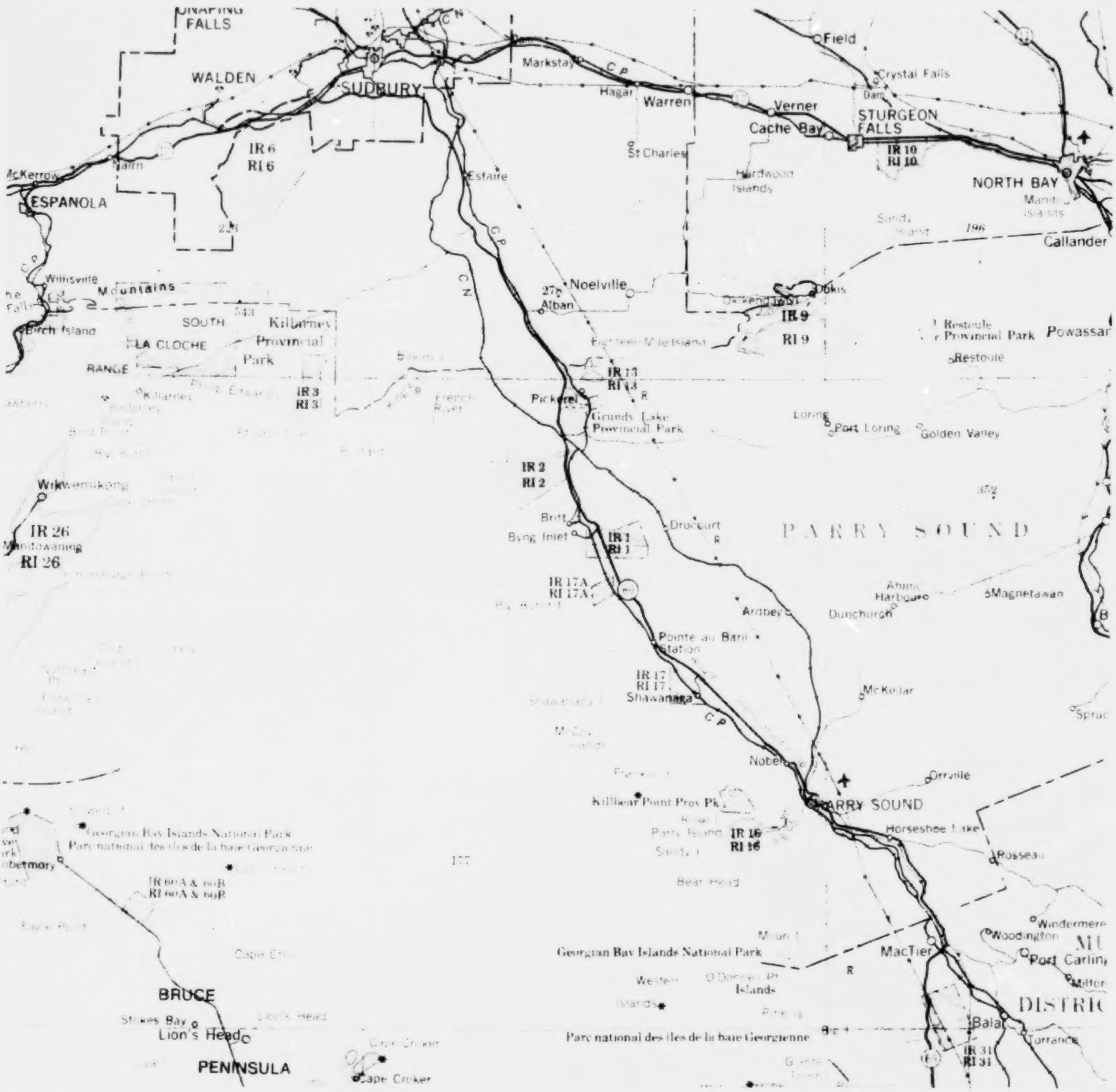
**SCALE**
1:2,000,000

**PUBLISHER**
Department of Energy, Mines and Resources

**SOURCE**
Department of Energy, Mines and Resources
Canada Map Office
615 Booth Street
Ottawa, Ontario
K1A 0E9
Tel. (613) 998-3865

**COVERAGE**




ONAPING FALLS
WALDEN
SUDBURY
Markstay
Hagar
Warren
Verner
Cache Bay
STURGEON FALLS
Field
Crystal Falls
IR 10
RI 10
NORTH BAY
Callander
St Charles
Hardwood Islands
McKerrow
ESPANOLA
Nairn
IR 6
RI 6
Estaire
Noelville
Alban
Dokis
IR 9
RI 9
Restoule Provincial Park
Powassan
Restoule
Whitefish Falls
Mountains
SOUTH
LA CLOCHE
RANGE
Killarney Provincial Park
Birch Island
IR 3
RI 3
IR 13
RI 13
Pickerel
Grundy Lake Provincial Park
Loring
Port Loring
Golden Valley
Wikwemikong
IR 26
Manitowaning
RI 26
IR 2
RI 2
Britt
Byng Inlet
IR 1
RI 1
Drocourt
PARRY SOUND
IR 17A
RI 17A
Ardbeg
Ahmic Harbour
Dunchurch
Magnetawan
Pointe au Baril Station
IR 17
RI 17
Shawanaga
McKellar
Nobel
Orrville
Killbear Point Prov Pk
PARRY SOUND
Horseshoe Lake
Rosseau
IR 16
RI 16
Georgian Bay Islands National Park
Parc national des îles de la baie Georgienne
Tobermory
IR 60A & 60B
RI 60A & 60B
Windermere
Woodington
Port Carling
MacTier
Bala
Torrance
IR 31
RI 31
BRUCE
Stokes Bay
Lion's Head
PENINSULA
Cape Croker
CN
CP

## NATIONAL TOPOGRAPHIC SYSTEM

**MAP FEATURES**
Relief elevations, lakes, rivers, streams, roads, buildings, airports, canals, railways, powerlines and political and administrative boundaries.

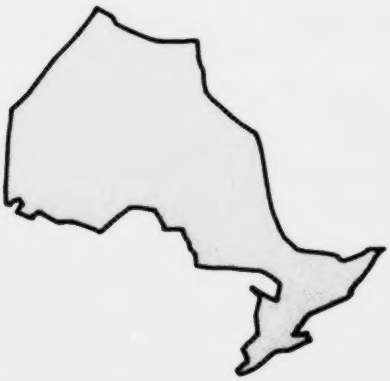
**SCALE**
1:1,000,000

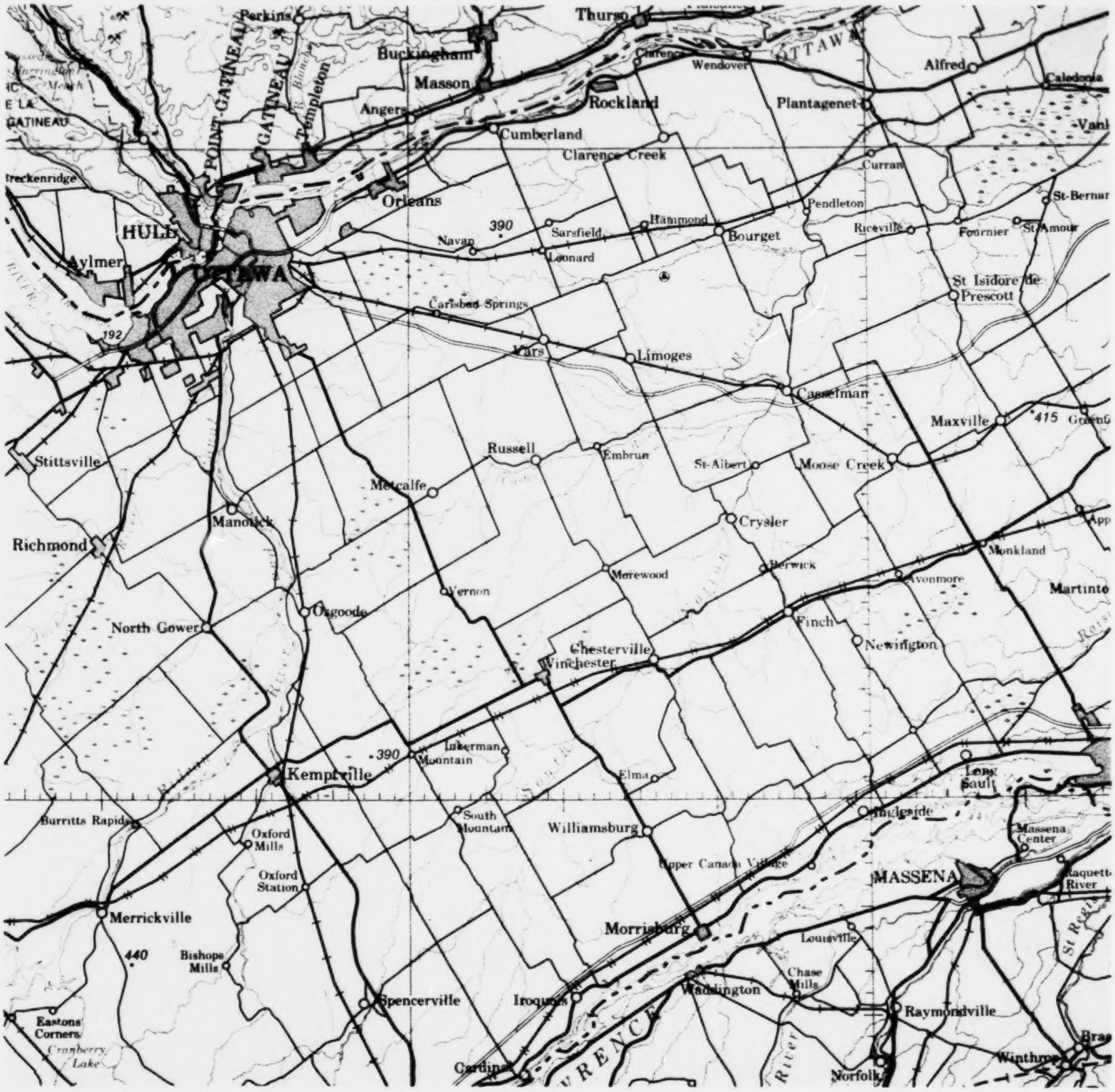
**PUBLISHER**
Department of Energy, Mines and Resources

**SOURCE**
Department of Energy, Mines and Resources
615 Booth Street
Ottawa, Ontario
K1A 0E9
Tel. (613) 998-3865

Ontario Ministry of Natural Resources
Public Service Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**




Perkins
Thurso
Buckingham
Masson
Angers
Clarence
Wendover
OTTAWA
Alfred
Caledonia
Rockland
Plantagenet
Cumberland
Clarence Creek
GATINEAU
POINT-GATINEAU
Templeton
Breckenridge
Orleans
Curran
HULL
Aylmer
OTTAWA
Pendleton
Navan
390
Sarsfield
Hammond
Bourget
Riceville
Fournier
St-Amour
St-Bernardin
Leonard
St Isidore de Prescott
Carlsbad Springs
192
Vars
Limoges
Casselman
Maxville
415
Stittsville
Russell
Embrun
St-Albert
Moose Creek
Metcalfe
Manotick
Crysler
Richmond
Monkland
Morewood
Berwick
Avonmore
Vernon
Martintown
Osgoode
Finch
North Gower
Newington
Chesterville
Winchester
Inkerman
390
Mountain
Kemptville
Elma
Long Sault
Burritts Rapids
South Mountain
Williamsburg
Ingleside
Oxford Mills
Massena Center
Upper Canada Village
Oxford Station
MASSENA
Raquette River
Merrickville
Morrisburg
Louisville
440
Bishops Mills
Chase Mills
Iroquois
Waddington
Spencerville
Raymondville
Eastons Corners
Cranberry Lake
Cardinal
Norfolk
Winthrop
River
St Regis

## NATIONAL TOPOGRAPHIC SYSTEM

**MAP FEATURES**
Relief elevations, lakes, rivers, streams, roads, buildings, airports, canals, railways, powerlines and political and administrative boundaries.

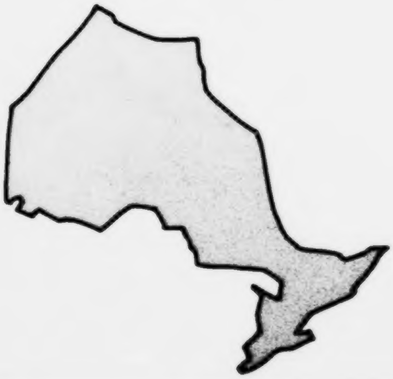
**SCALE**
1:500,000

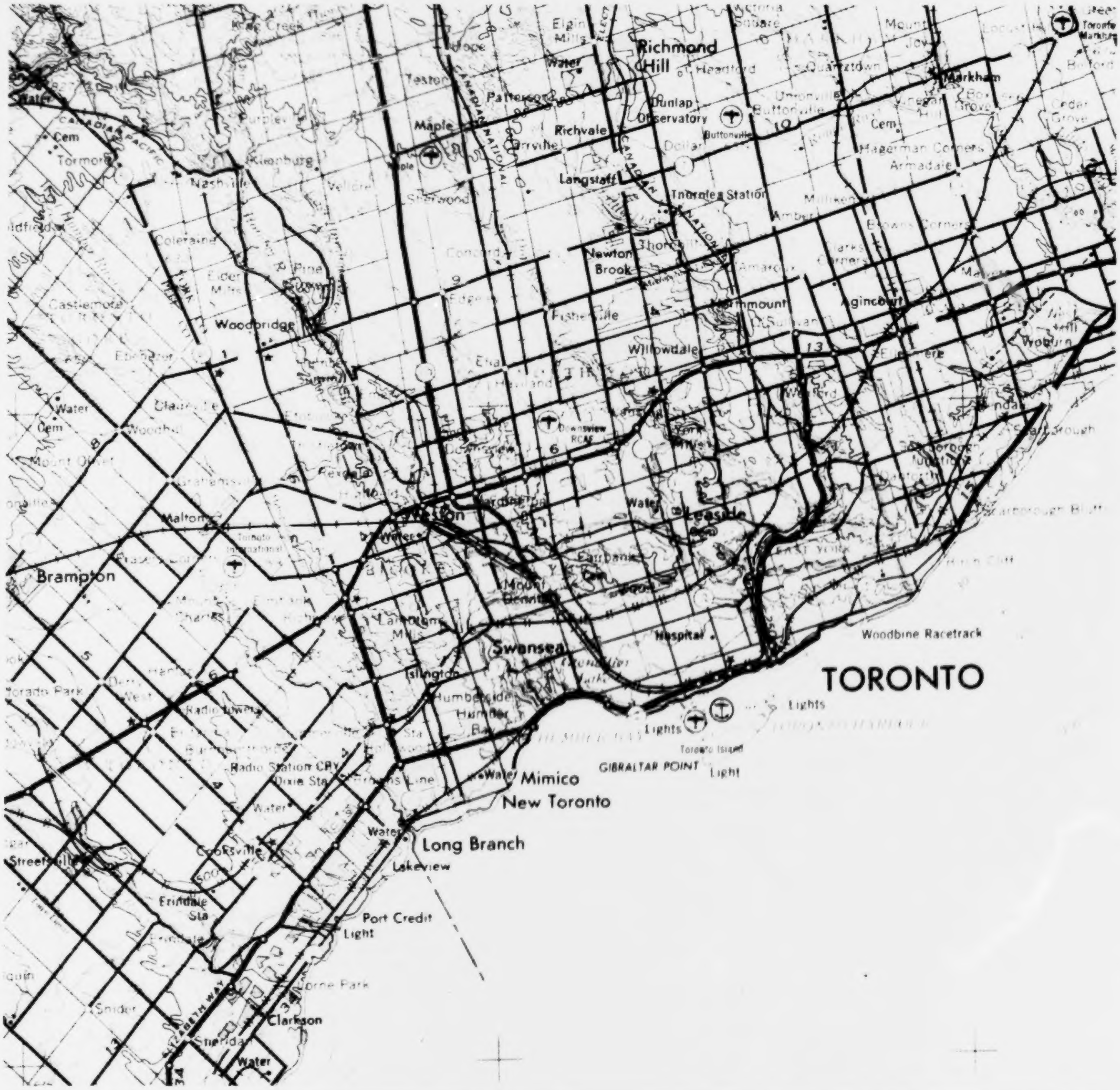
**PUBLISHER**
Department of Energy, Mines and Resources

**SOURCE**
Department of Energy, Mines and Resources
615 Booth Street
Ottawa, Ontario
K1A 0E9
Tel. (613) 998-3865

Ontario Ministry of Natural Resources
Public Service Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**




Richmond Hill
Maple
Richvale
Langstaff
Thornhill Station
Markham
Unionville
Buttonville
Dunlap Observatory
Newton Brook
Woodbridge
Willowdale
Agincourt
Woburn
Malton
Toronto International
Brampton
Weston
Leaside
East York
Swansea
Islington
Mimico
New Toronto
Long Branch
Lakeview
Port Credit
Light
Clarkson
Cooksville
Erindale Sta
Streetsville
Woodbine Racetrack
TORONTO
Lights
Toronto Island
GIBRALTAR POINT
Hospital
Scarborough Bluffs

## NATIONAL TOPOGRAPHIC SYSTEM

**MAP FEATURES**
Relief elevations, lakes, rivers, streams, roads, buildings, airports, canals, railways, powerlines and political and administrative boundaries.

- Coloured map

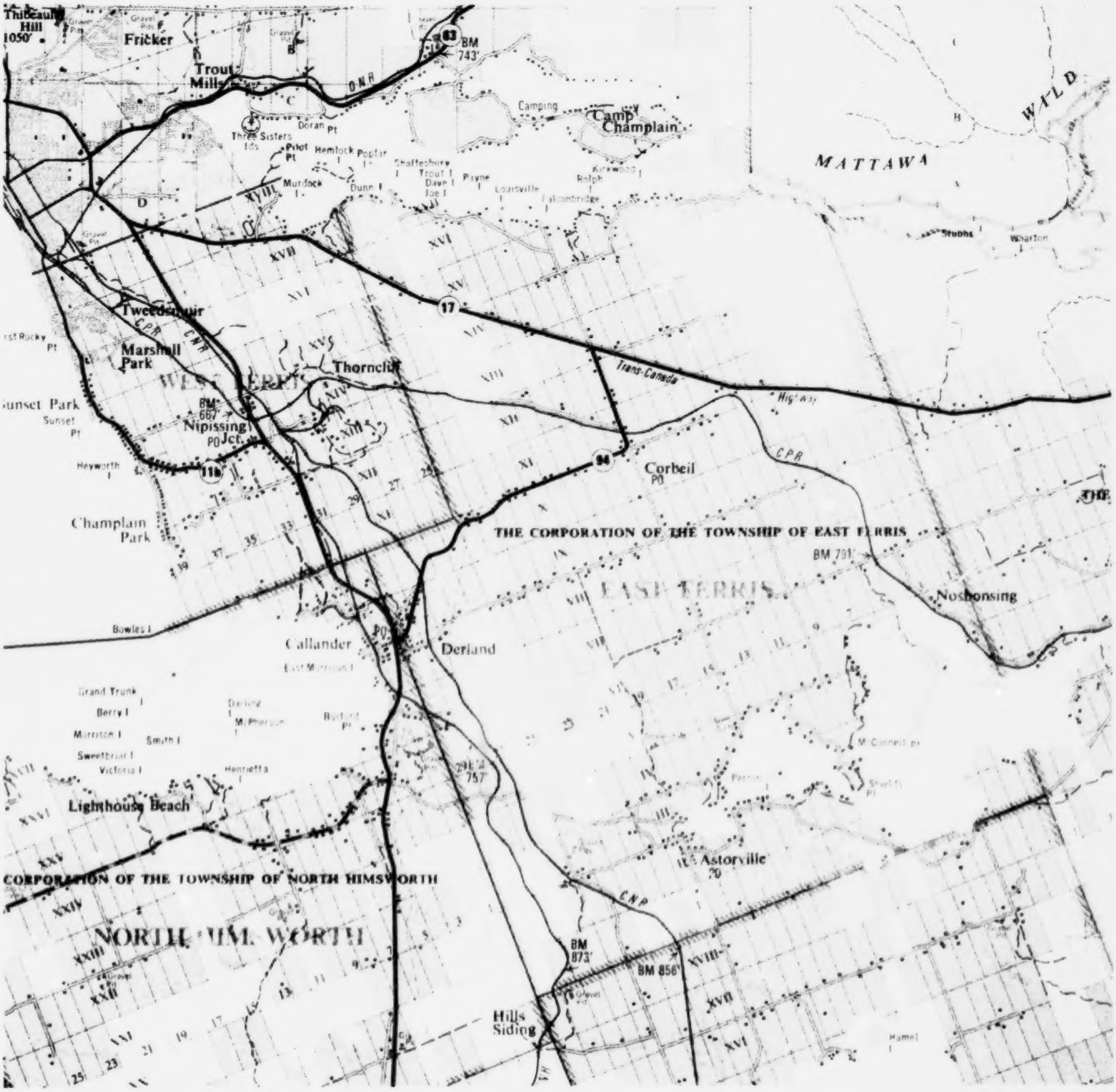
**SCALE**
1:250,000

**PUBLISHER**
Department of Energy, Mines and Resources

**SOURCE**
Department of Energy, Mines and Resources
615 Booth Street
Ottawa, Ontario
K1A 0E9
Tel. (613) 998-3865

Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**



## PROVINCIAL SERIES

**MAP FEATURES**
Political and administrative boundaries, population centres and such man-made features as hydro-electric generating stations, transmission lines, dams, roads, Indian reserves, provincial and national parks.

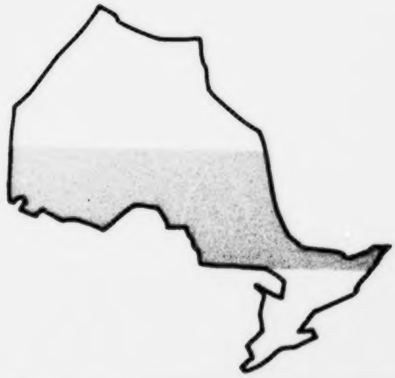
- Coloured map

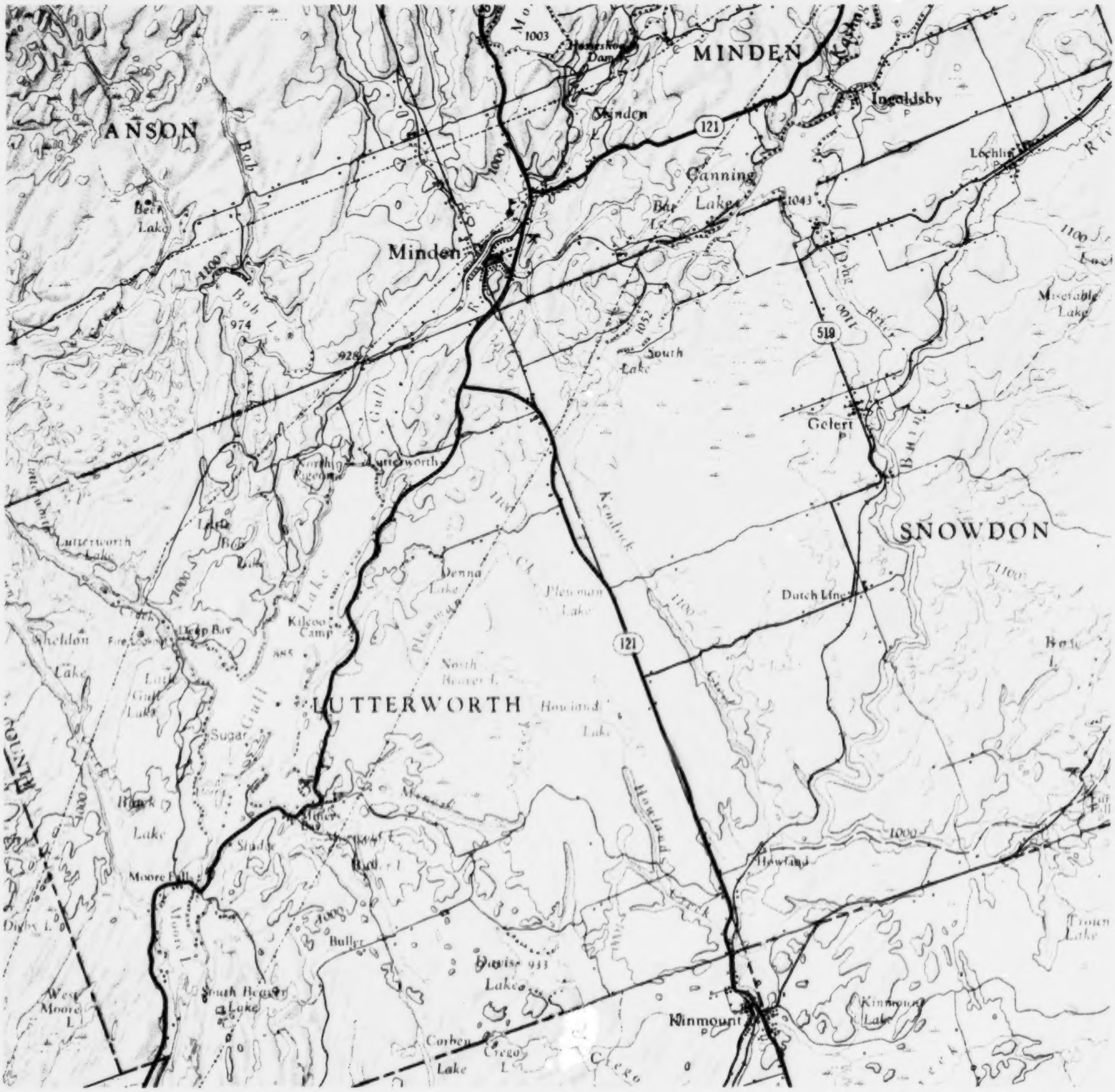
**SCALE**
1:100,000

**PUBLISHER**
Ontario Ministry of Natural Resources

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**




ANSON
MINDEN
Minden
Ingoldsby
Lochlin
Canning Lake
Bob Lake
South Lake
121
519
Gelert
SNOWDON
Dutch Line
Kilcoo Camp
LUTTERWORTH
Howland
Kinmount
Kinmount Lake
Crego L.
Corben Lake
Moore Falls
South Beaver Lake
Buller
Davis Lake
Miserable Lake
Trout Lake
Sheldon Lake
Black Lake

## PROVINCIAL SERIES

**MAP FEATURES**

Political and administrative boundaries, population centres and such man-made features as hydro-electric generating stations, transmission lines, dams, roads, Indian reserves, provincial and national parks.

- Coloured map

**SCALE**

1:126,720

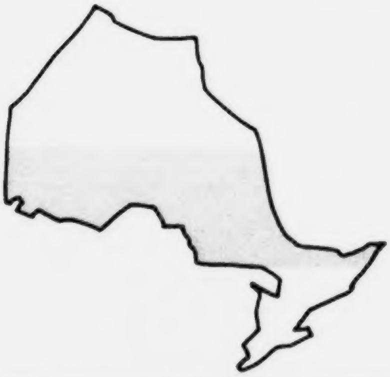
**PUBLISHER**

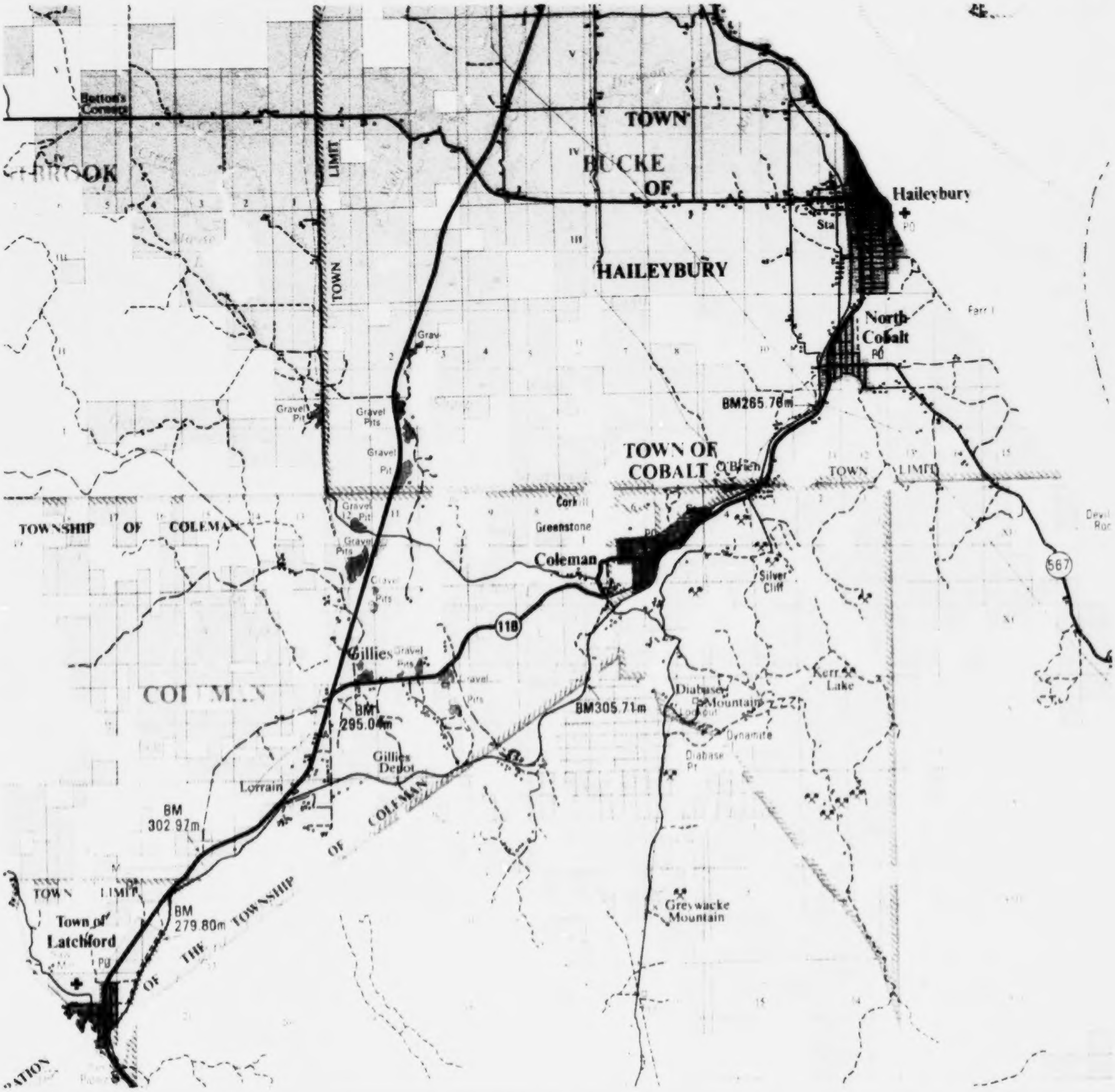
Ontario Ministry of Natural Resources

**SOURCE**

Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**




Bottom's Corners
TOWN
BUCKE
OF
HAILEYBURY
TOWN LIMIT
Haileybury
Sta
North Cobalt
PO
BM265.76m
TOWN OF COBALT
O'Brien
TOWN LIMIT
Devil Roc
567
TOWNSHIP OF COLEMAN
Gravel Pits
Cork
Greenstone
Coleman
Silver Cliff
118
Gillies
COLEMAN
BM 295.04m
BM305.71m
Diabase Mountain
Dynamite
Diabase Pt
Kerr Lake
Gillies Depot
Lorrain
BM 302.97m
OF THE TOWNSHIP OF COLEMAN
TOWN LIMIT
Town of Latchford
PO
BM 279.80m
Greywacke Mountain

## NATIONAL TOPOGRAPHIC SYSTEM

### MAP FEATURES

Relief elevations, lakes, rivers, streams, roads, buildings, airports, canals, railways, powerlines and political and administrative boundaries.

- Coloured map

### SCALE

1:125,000

### PUBLISHER

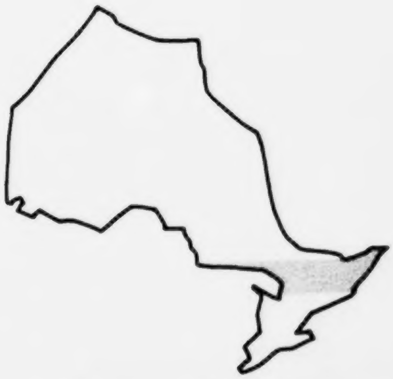
Department of Energy, Mines and Resources

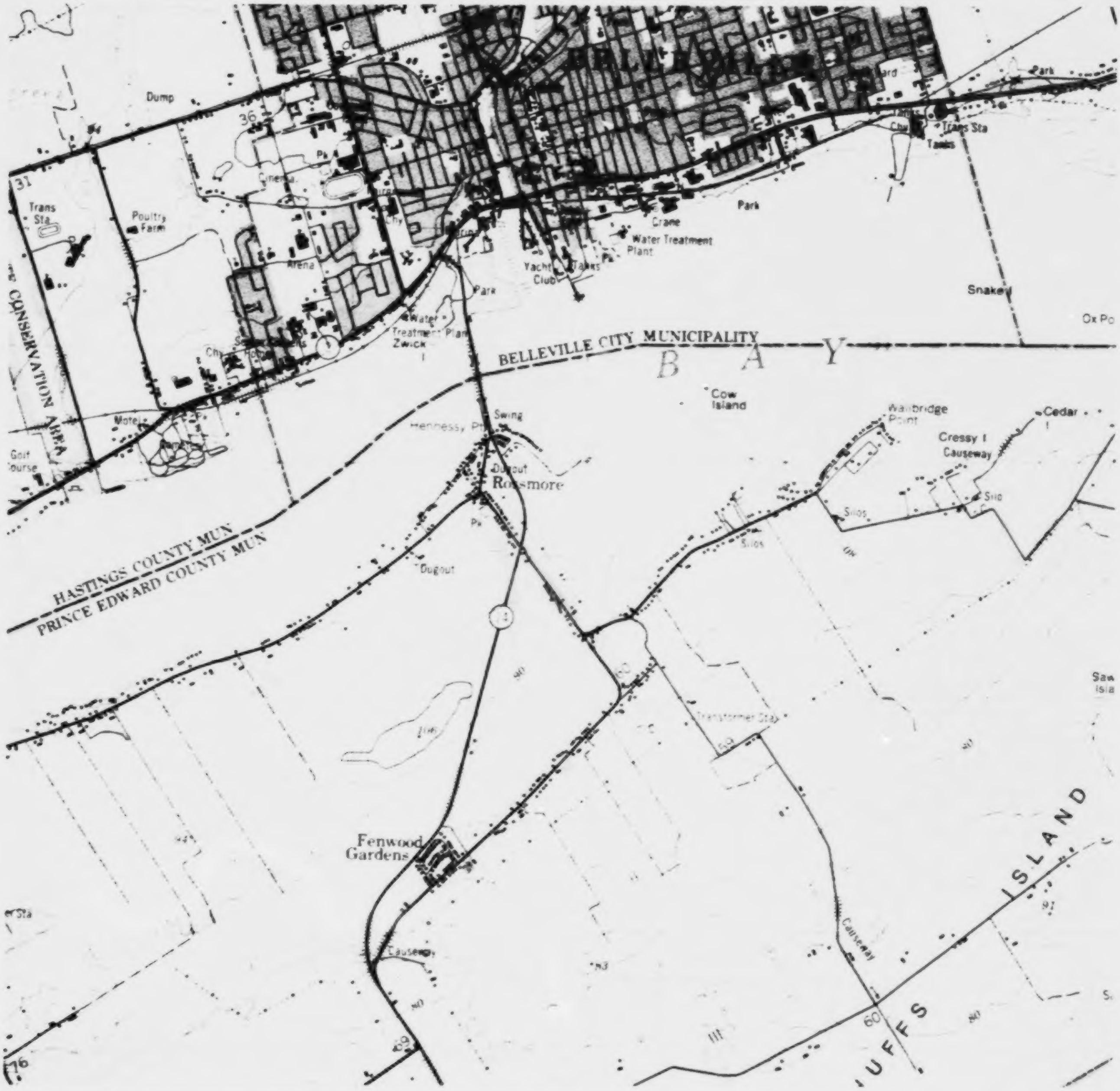
### SOURCE

Department of Energy, Mines and Resources
615 Booth Street
Ottawa, Ontario
K1A 0E9
Tel. (613) 995-4341

Ontario Ministry of Natural Resources
Public Service Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

### COVERAGE




Dump
36
31
Trans Sta
Poultry Farm
Arena
Cinema
Park
Crane
Water Treatment Plant
Yacht Club
Tanks
Water Treatment Plant
Zwick
Trans Sta
Snake I
Ox Po
CONSERVATION AREA
Motel
Golf Course
BELLEVILLE CITY MUNICIPALITY
B A Y
Cow Island
Wallbridge Point
Cedar
Cressy I
Causeway
Silos
Hennessy Pt
Swing
Dugout
Rossmore
Dugout
HASTINGS COUNTY MUN
PRINCE EDWARD COUNTY MUN
14
Transformer Sta
Saw Isla
Fenwood Gardens
Causeway
Causeway
ISLAND
UFFS
60
91
80
76

## NATIONAL TOPOGRAPHIC SYSTEM

**MAP FEATURES**

Relief elevations, lakes, rivers, streams, roads, buildings, airports, canals, railways, powerlines and political and administrative boundaries.

- Coloured map

**SCALE**

1:50,000

**PUBLISHER**

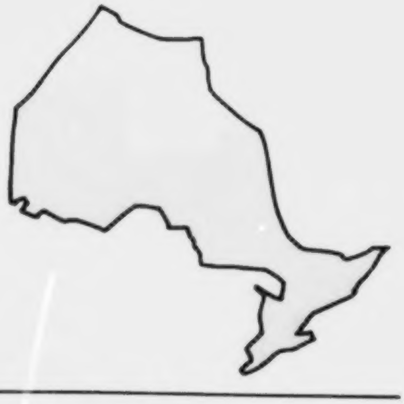
Department of Energy, Mines and Resources

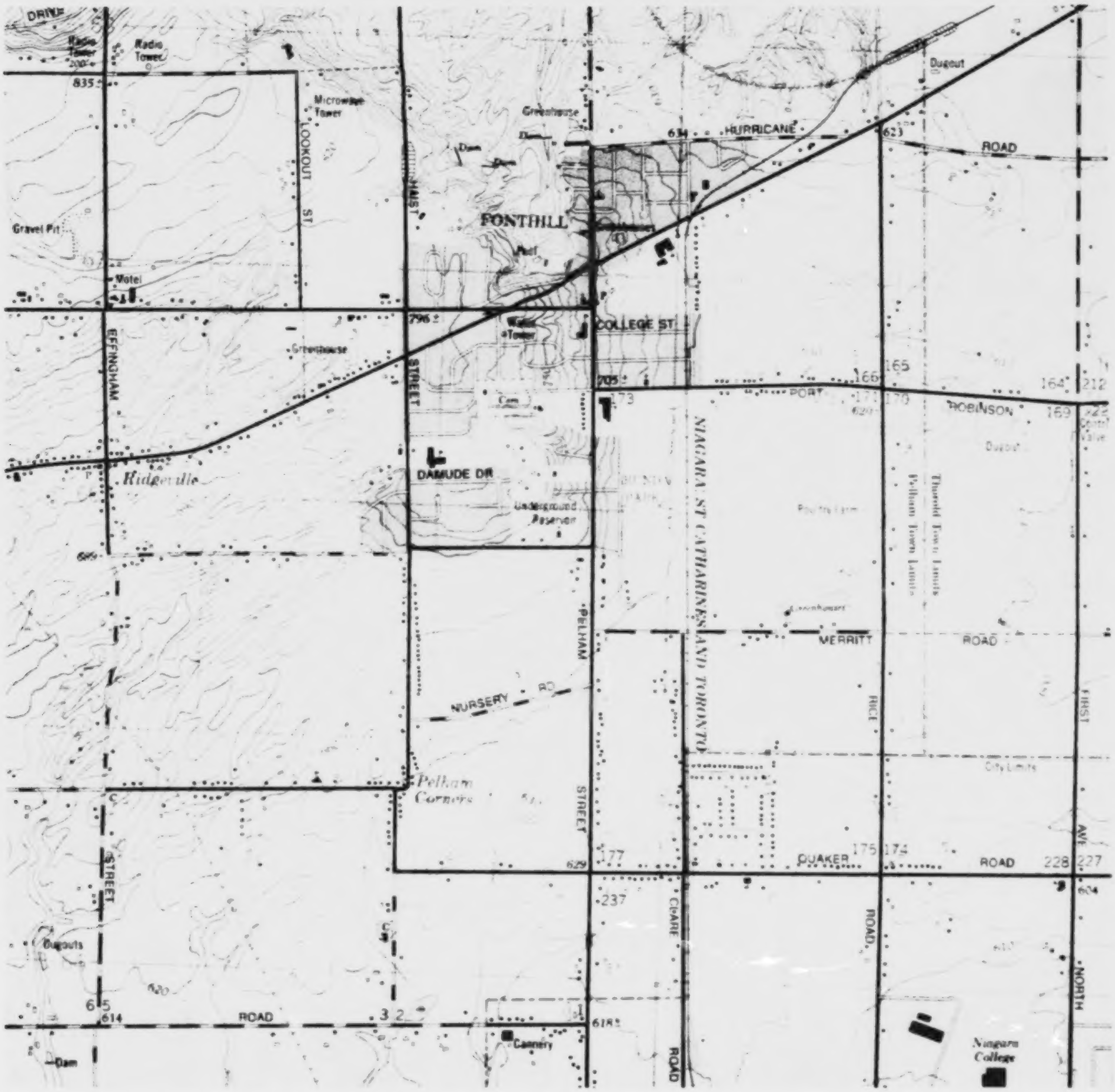
**SOURCE**

Department of Energy, Mines and Resources
Canada Map Office
615 Booth Street
Ottawa, Ontario
K1A 0E4
Tel. (613) 998-3865

Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**





FONTHILL
Ridgeville
Pelham Corners
HURRICANE
ROAD
COLLEGE ST
PORT
ROBINSON
DAMUDE DR
NIAGARA ST CATHARINES AND TORONTO
MERRITT
NURSERY RD
QUAKER
PELHAM STREET
EFFINGHAM STREET
LOOKOUT ST
Niagara College
Cannery

## NATIONAL TOPOGRAPHIC SYSTEM

**MAP FEATURES**
Relief elevations, lakes, rivers, streams, roads, buildings, airports, canals, railways, powerlines and political and administrative boundaries.
- Coloured map

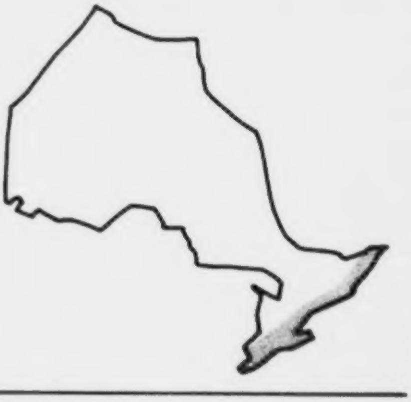
**SCALE**
1:25,000

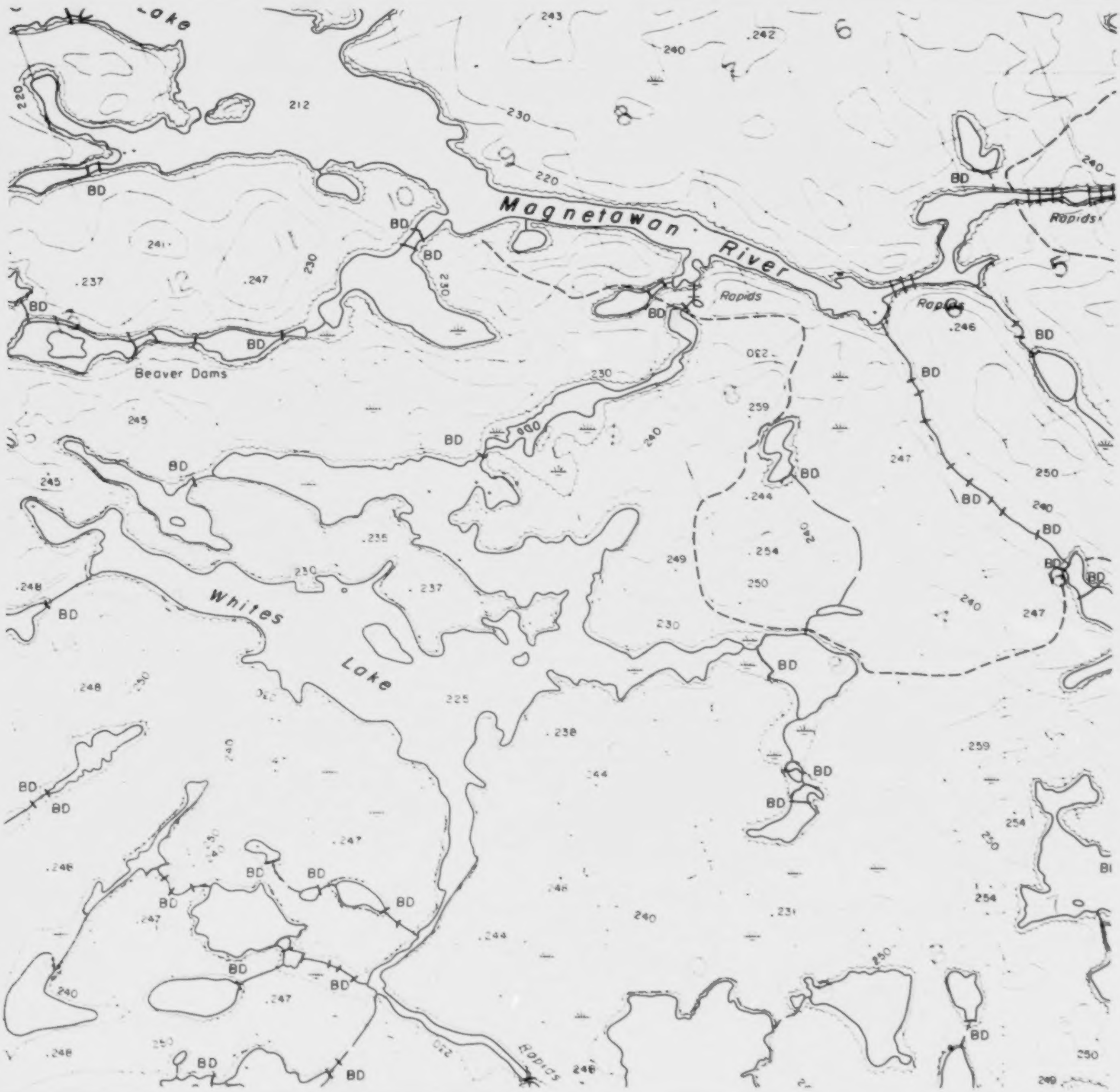
**PUBLISHER**
Department of Energy, Mines and Resources

**SOURCE**
Department of Energy, Mines and Resources
Canada Map Office
615 Booth Street
Ottawa, Ontario
K1A 0E4
Tel. (613) 998-3865

Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**




Lake
Magnetawan River
Whites Lake
Beaver Dams
Rapids
BD
212
220
230
240
241
237
247
245
248
235
250
254
259
244
246
249
225
238
231
243
242

## ONTARIO BASIC MAPPING PROGRAM (OBM)

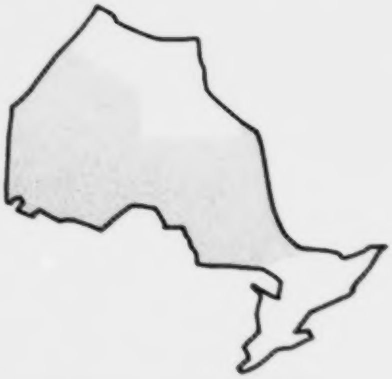
**MAP FEATURES**
Topographic information, spot elevations, contours, boundaries, buildings, bridges, cliffs, falls, flooded land, marshes, railroads, pipelines, roads, transmission lines and wooded areas.

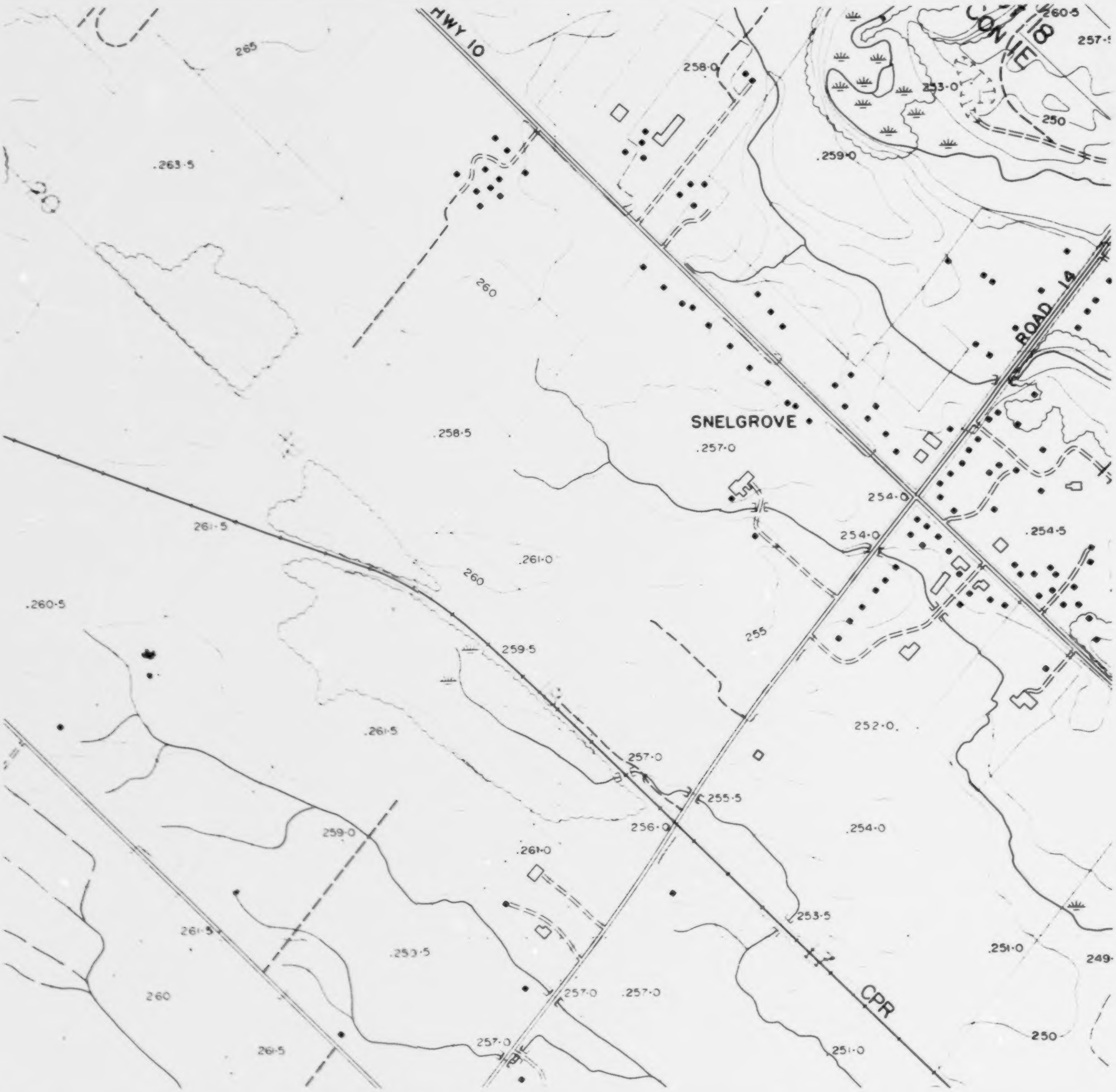
**SCALE**
1:20,000 (Northern Ontario)

**PUBLISHER**
Ontario Ministry of Natural Resources

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**




HWY 10
SNELGROVE
ROAD 14
CPR
CON IE
18
265
263·5
260
258·5
258·0
259·0
253·0
250
260·5
257·0
254·0
254·5
261·5
261·0
260·5
259·5
255
252·0
257·0
255·5
256·0
254·0
259·0
261·0
253·5
251·0
249
253·5
257·0
261·5
250
251·0

## ONTARIO BASIC MAPPING PROGRAM (OBM)

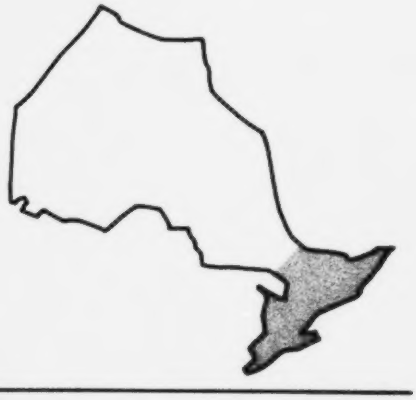
**MAP FEATURES**
Topographic information, spot elevations, contours, boundaries, buildings, bridges, cliffs, falls, flooded land, marshes, railroads, pipelines, roads, transmission lines and wooded areas.

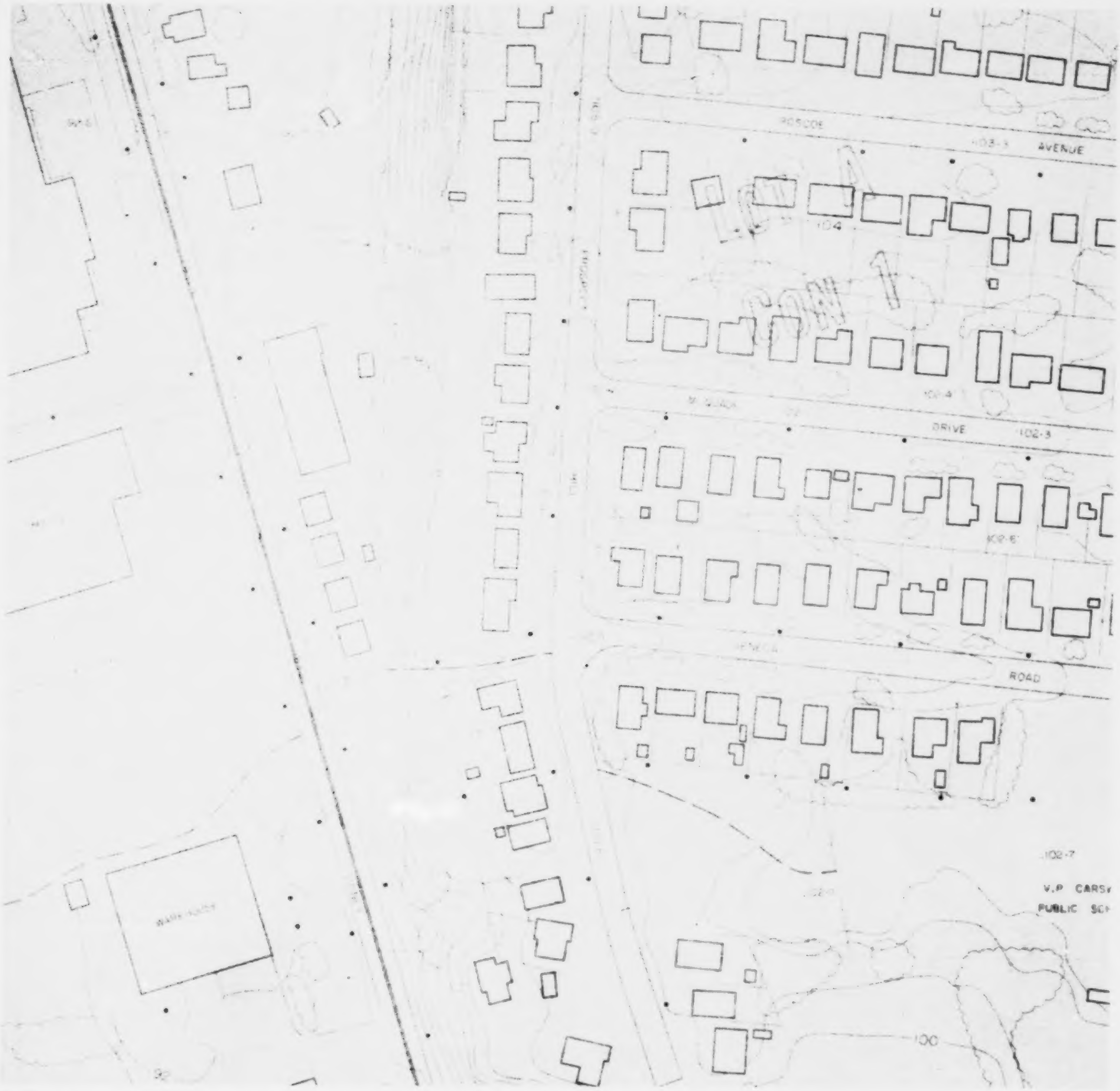
**SCALE**
1:10,000 (Southern Ontario)

**PUBLISHER**
Ontario Ministry of Natural Resources

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**




ROSCOE
AVENUE
DRIVE
ROAD
V.P. CARS
PUBLIC SC
WAREHOUSE

## ONTARIO BASIC MAPPING PROGRAM (OBM)

**MAP FEATURES**
Topographic information, spot elevations, contours, boundaries, buildings, bridges, cliffs, falls, flooded land, marshes, railroads, pipelines, roads, transmission lines and wooded areas.

- Black and White map

**SCALE**
1:2,000

**PUBLISHER**
Ontario Ministry of Natural Resources

**SOURCE**
Contact individual municipalities for information.

**COVERAGE**

Contact individual municipalities for information.

# ADMINISTRATION

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| Municipal Boundaries (Southern Ont.) | 1:631,200 | 27 |
| Reference Map of Ontario Counties, Districts and Regional Municipalities | | |
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| Southern Ontario | 1:1,600,000 | 28 |
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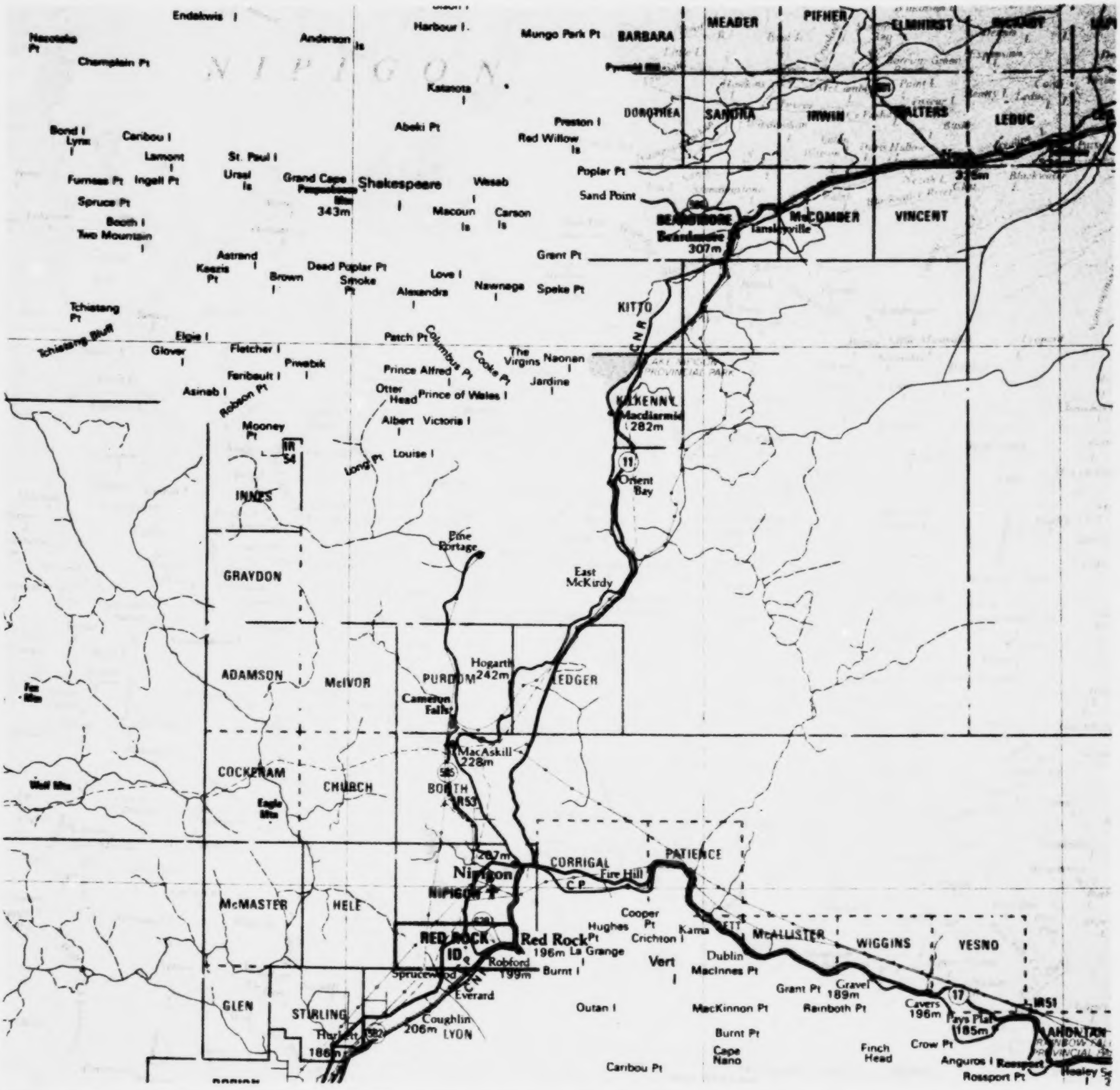

NIPIGON
Shakespeare
Beardmore
307m
MACOMBER
VINCENT
Tanssleyville
KITTO
CNR
Macdiarmid
282m
Orient Bay
Pine Portage
East McKirdy
GRAYDON
ADAMSON
McIVOR
PURDOM
LEDGER
Hogarth
242m
Cameron Falls
MacAskill
228m
COCKERAM
CHURCH
BOOTH
INNES
CORRIGAL
PATIENCE
Fire Hill
Nipigon
McMASTER
HELE
RED ROCK
Red Rock
196m
GLEN
STIRLING
LYON
Coughlin
206m
McALLISTER
WIGGINS
YESNO
Gravel
189m
Cavers
196m
Pays Plat
185m
Rossport
MEADER
PIFHER
ELMHIRST
BARBARA
DOROTHEA
SANDRA
IRWIN
WALTERS
LEDUC

## TERRITORIAL SERIES

**MAP FEATURES**
Political and administrative boundaries, population centres and such man-made features as hydro-electric generating stations, transmission lines, dams, roads, Indian reserves, provincial and national parks, land and water spot elevations.

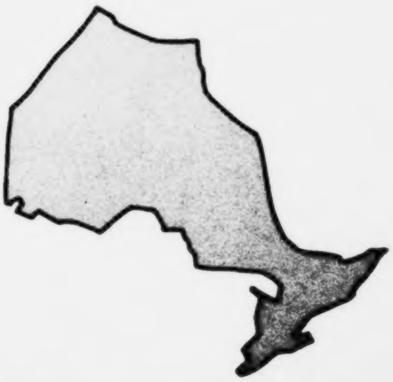
- Coloured map

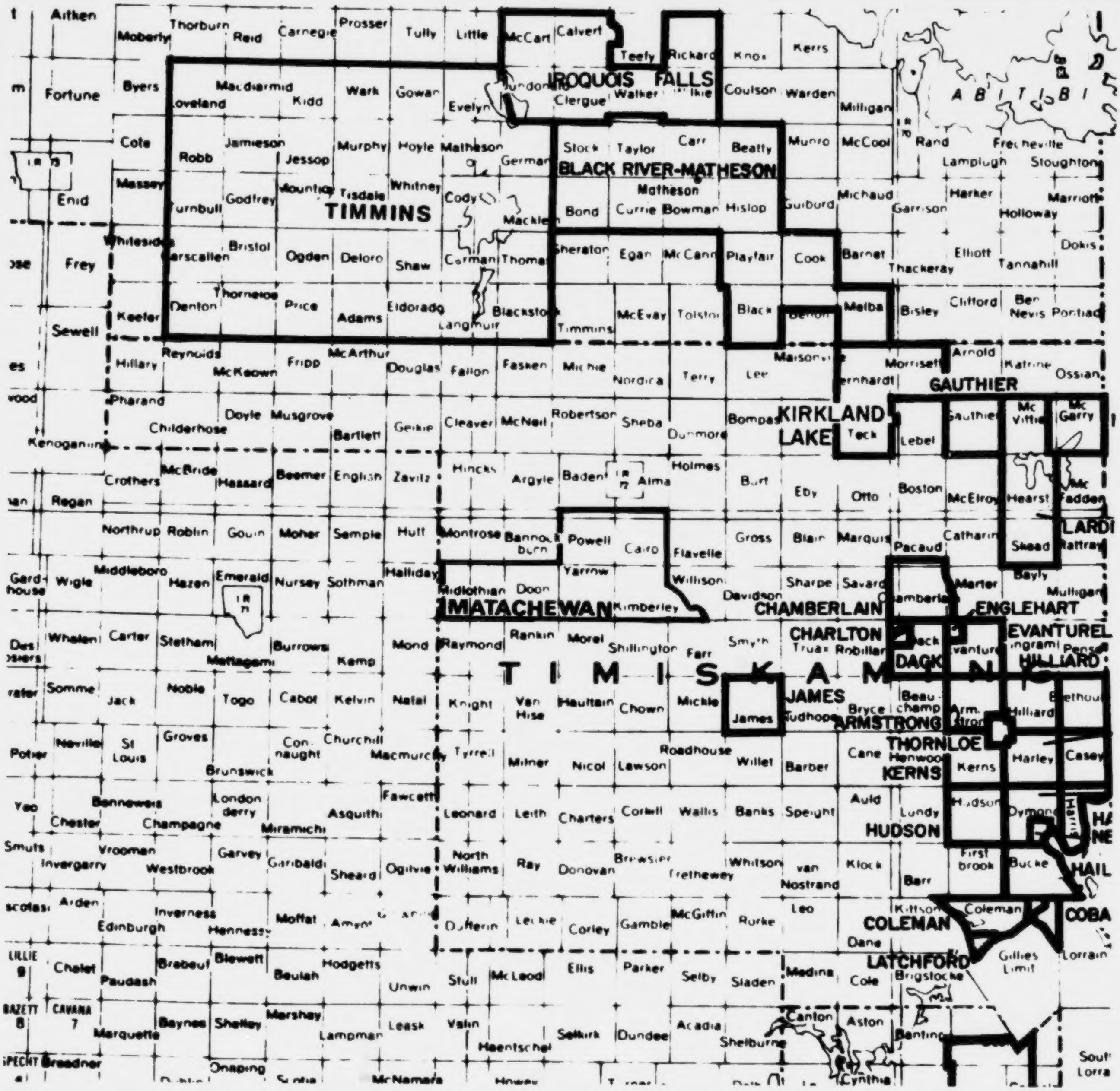
**SCALE**
1:600,000

**PUBLISHER**
Ontario Ministry of Natural Resources

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**





## MUNICIPAL BOUNDARIES – NORTHERN ONTARIO

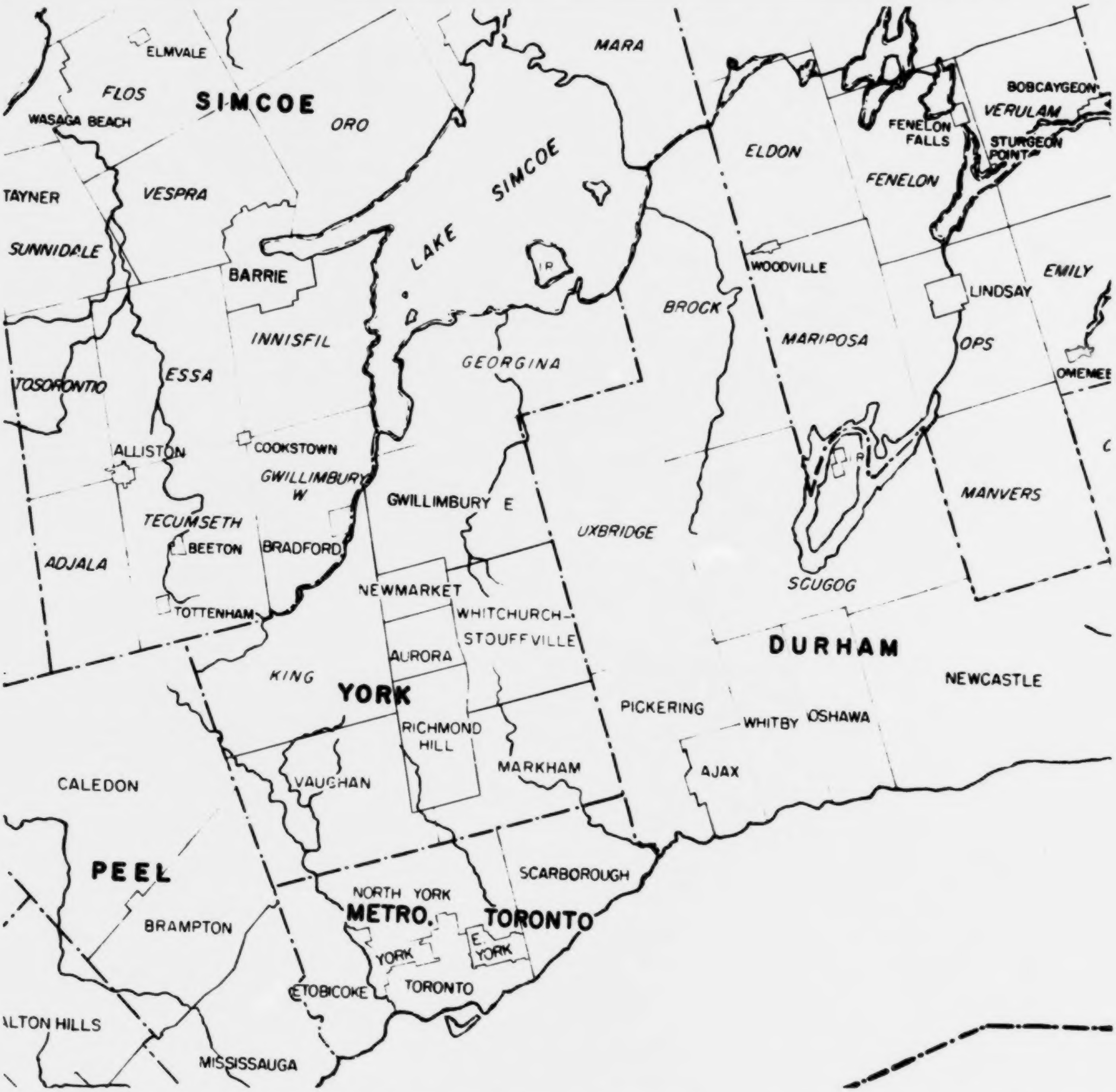
**MAP FEATURES**
Cities, towns, villages, county, regional, municipal and geographic boundaries.

**SCALE**
1:1,009,920 (1" = 16 miles)
1:2,019,840 (1" = 32 miles)

**PUBLISHER**
Ontario Ministry of Municipal Affairs

**SOURCE**
Ontario Ministry of Municipal Affairs
Plans Administration Branch
14th Floor
777 Bay Street
Toronto, Ontario
M5G 2E5
Tel. (416) 585-6081

**COVERAGE**


ELMVALE
MARA
FLOS
SIMCOE
ORO
WASAGA BEACH
BOBCAYGEON
VERULAM
FENELON FALLS
STURGEON POINT
ELDON
LAKE SIMCOE
TAYNER
VESPRA
FENELON
SUNNIDALE
BARRIE
IR
WOODVILLE
EMILY
LINDSAY
BROCK
INNISFIL
MARIPOSA
OPS
GEORGINA
TOSORONTIO
ESSA
OMEMEE
ALLISTON
COOKSTOWN
GWILLIMBURY W
GWILLIMBURY E
MANVERS
UXBRIDGE
TECUMSETH
BEETON
BRADFORD
ADJALA
NEWMARKET
SCUGOG
TOTTENHAM
WHITCHURCH-STOUFFVILLE
AURORA
DURHAM
KING
NEWCASTLE
YORK
PICKERING
RICHMOND HILL
WHITBY
OSHAWA
CALEDON
VAUGHAN
MARKHAM
AJAX
PEEL
SCARBOROUGH
NORTH YORK
METRO. TORONTO
BRAMPTON
YORK
E. YORK
ETOBICOKE
TORONTO
ALTON HILLS
MISSISSAUGA

## MUNICIPAL BOUNDARIES – SOUTHERN ONTARIO

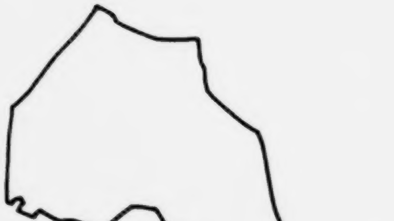
**MAP FEATURES**
Cities, farms, villages, county, regional, municipal and geographic boundaries.

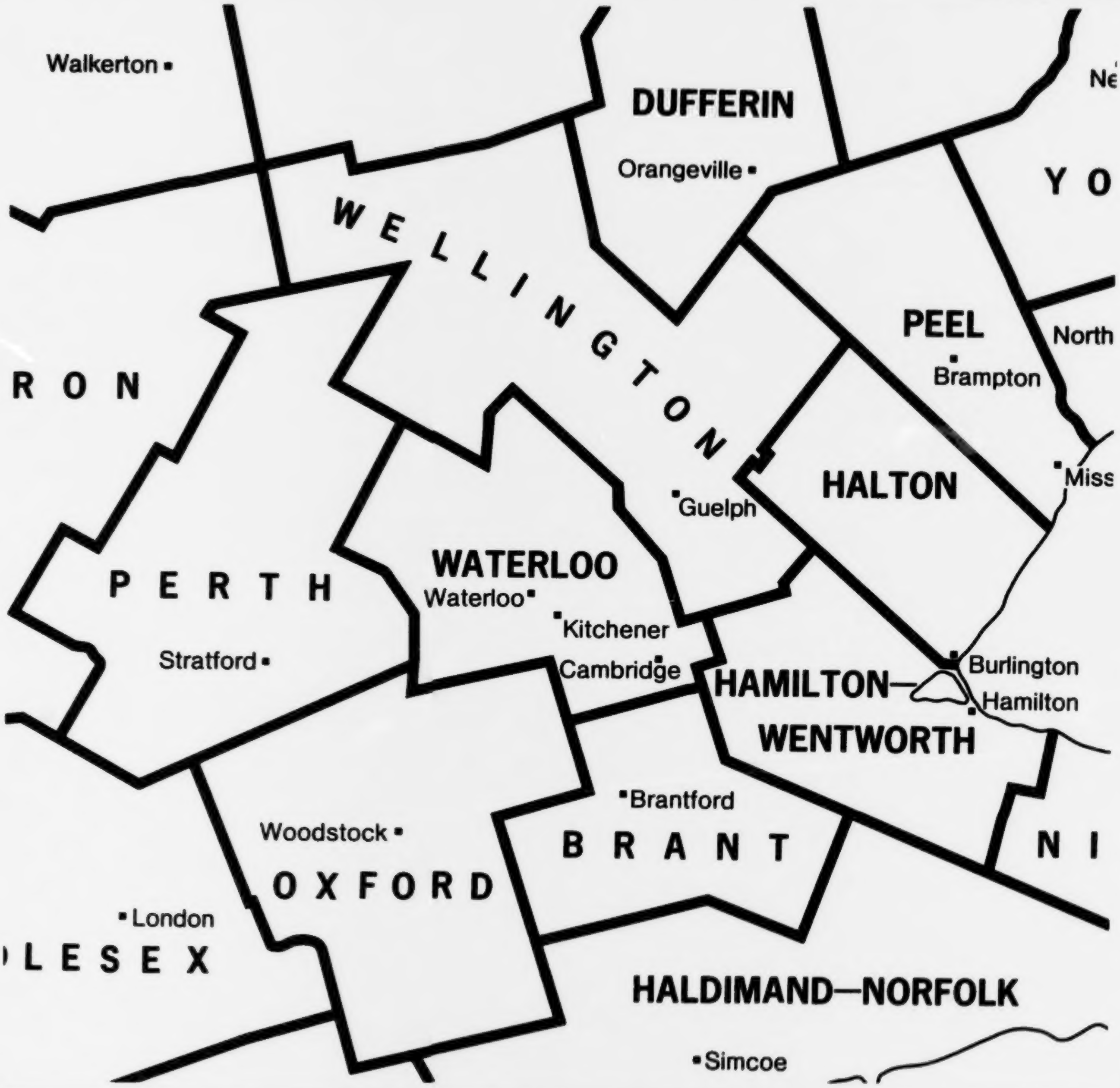
**SCALE**
1:631,200 (1" = 10 miles)
1:1,009,920 (1" = 16 miles)

**PUBLISHER**
Ontario Ministry of Municipal Affairs

**SOURCE**
Ontario Ministry of Municipal Affairs
Plans Administration Branch
14th Floor
777 Bay Street
Toronto, Ontario
M5G 2E5
Tel. (416) 585-6081

**COVERAGE**




Walkerton
DUFFERIN
Ne
Orangeville
Y O
WELLINGTON
PEEL
North
Brampton
RON
HALTON
Miss
Guelph
WATERLOO
PERTH
Waterloo
Kitchener
Stratford
Cambridge
HAMILTON—
WENTWORTH
Burlington
Hamilton
Brantford
Woodstock
BRANT
NI
OXFORD
London
LESEX
HALDIMAND—NORFOLK
Simcoe

## *REFERENCE MAP OF ONTARIO COUNTIES, DISTRICTS AND REGIONAL MUNICIPALITIES*

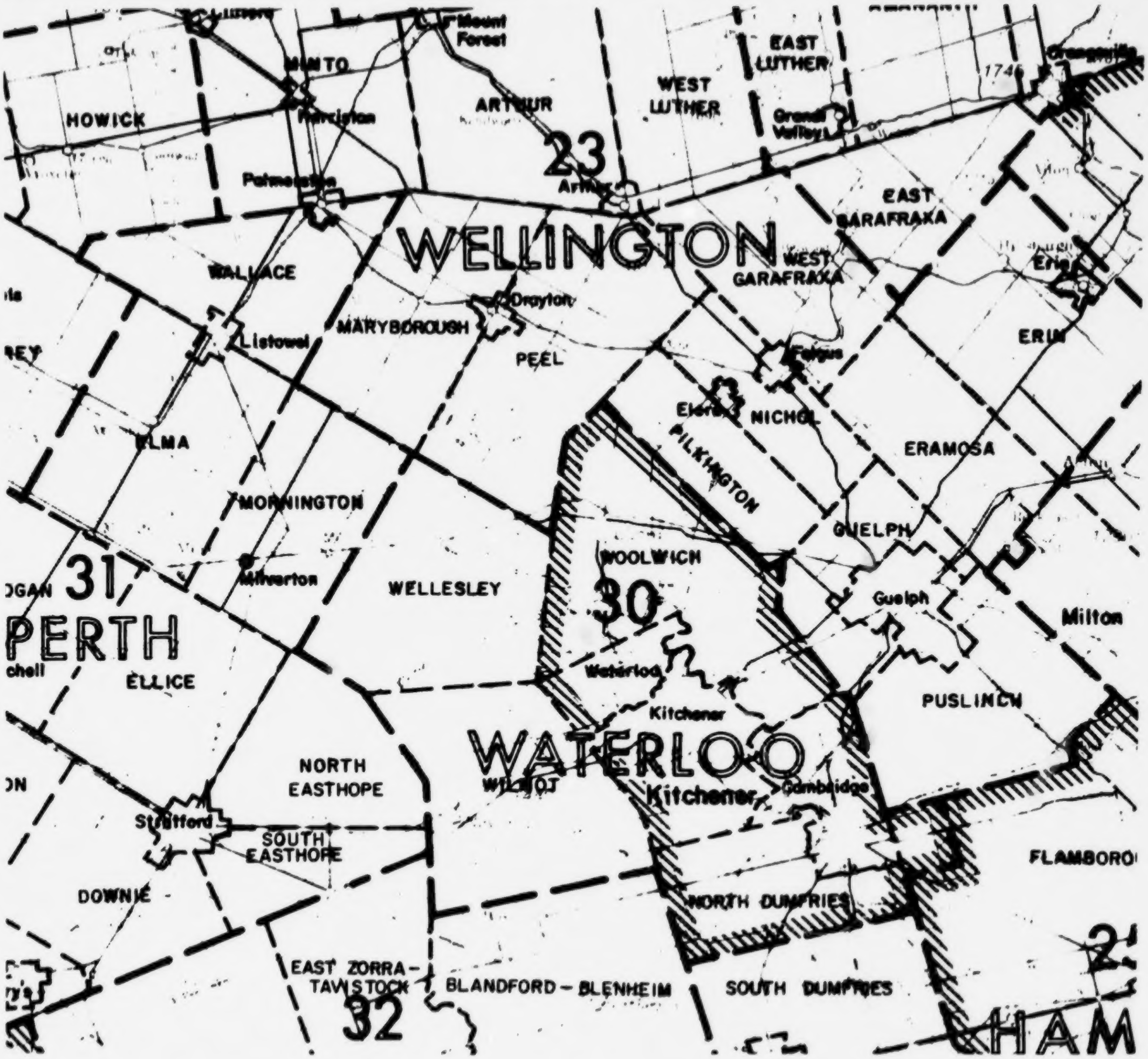
**MAP FEATURES**
County, districts, and regional municipal boundaries, major centres of population.

**SCALE**
1:3,200,000 (Northern Ontario)
1:1,600,000 (Southern Ontario)

**PUBLISHER**
Ministry of Transportation and Communications

**SOURCE**
Ministry of Transportation and Communications
1201 Wilson Avenue
East Building
Downsview, Ontario
M3M 1J8
Tel. (416) 248-3476

**COVERAGE**



HOWICK
MINTO
Harriston
Mount Forest
ARTHUR
Arthur
23
WEST LUTHER
EAST LUTHER
Grand Valley
Orangeville
Palmerston
WELLINGTON
EAST GARAFRAXA
WEST GARAFRAXA
Erin
ERIN
WALLACE
Drayton
Listowel
MARYBOROUGH
PEEL
Fergus
Elora
NICHOL
PILKINGTON
ERAMOSA
ELMA
MORNINGTON
GUELPH
Guelph
Milton
WOOLWICH
31
Milverton
WELLESLEY
30
PERTH
ELLICE
Waterloo
Kitchener
PUSLINCH
NORTH EASTHOPE
WATERLOO
WILMOT
Kitchener
Cambridge
Stratford
SOUTH EASTHOPE
FLAMBORO
DOWNIE
NORTH DUMFRIES
EAST ZORRA-TAVISTOCK
BLANDFORD-BLENHEIM
SOUTH DUMFRIES
32
HAM

## PROVINCIAL MAPS: SERIES G81-10

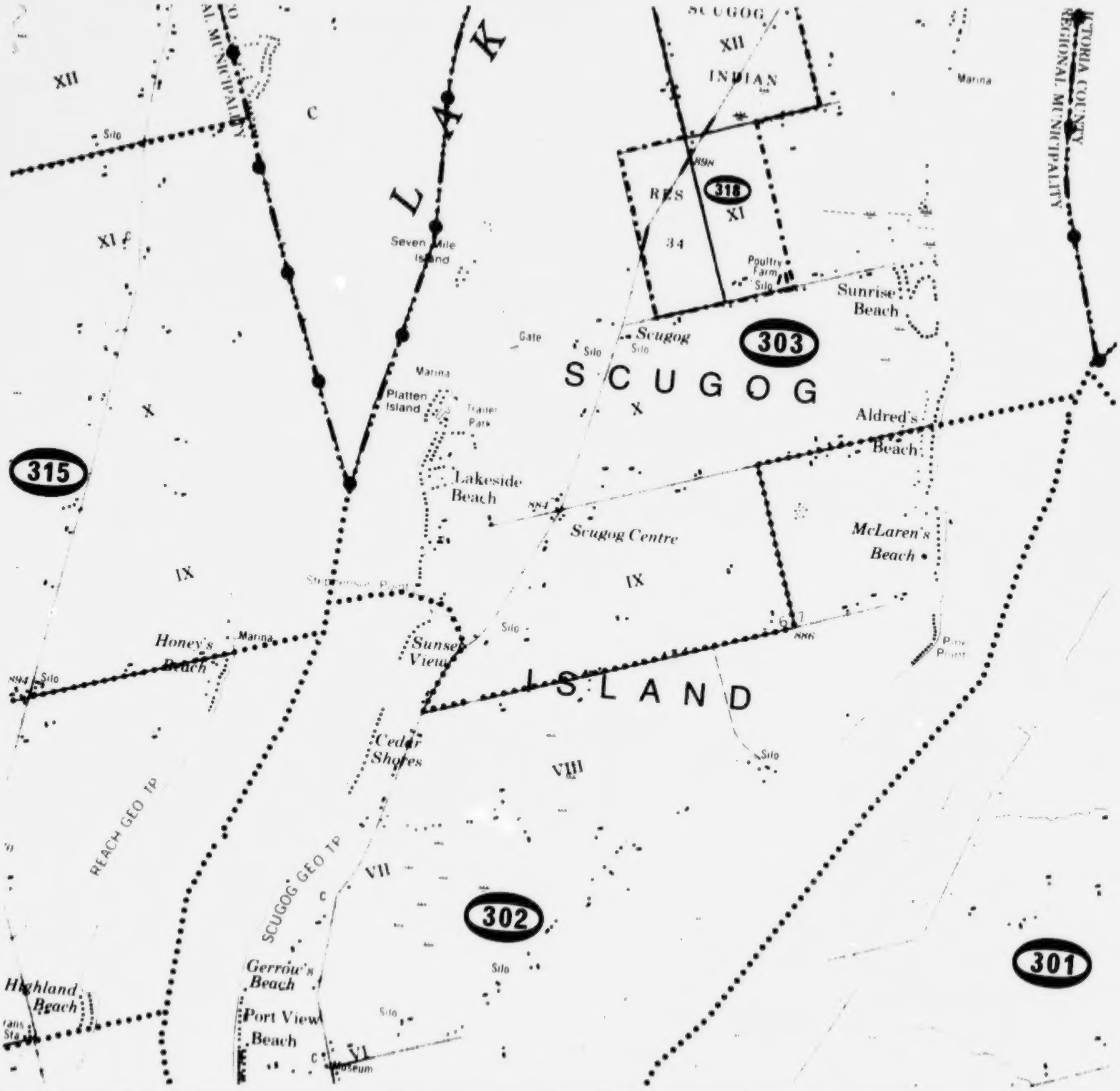
MAP FEATURES
Boundaries of census divisions, census subdivisions and census metropolitan areas.

SCALE
Varies

PUBLISHER
Statistics Canada

SOURCE
Statistics Canada
Central Inquiry Service
Lobby
R. H. Coats Building
Ottawa, Ontario
K1A 0T6
Tel. (613) 990-2800

COVERAGE


SCUGOG
XII
INDIAN
RES
34
318
XI
VICTORIA COUNTY REGIONAL MUNICIPALITY
Marina
XII
C
L
A
K
Silo
XI
Seven Mile Island
Poultry Farm
Silo
Sunrise Beach
Gate
Silo
Scugog
303
Marina
S C U G O G
Platten Island
Trailer Park
X
X
Aldred's Beach
315
Lakeside Beach
884
Scugog Centre
McLaren's Beach
IX
IX
Silo
Honey's Beach
Marina
Sunset View
886
Pine Point
Silo
I S L A N D
Cedar Shores
VIII
Silo
REACH GEO TP
SCUGOG GEO TP
VII
C
302
Gerrow's Beach
Silo
301
Highland Beach
Port View Beach
Silo
VI
Museum

## RURAL ENUMERATION AREAS: SERIES G81-12

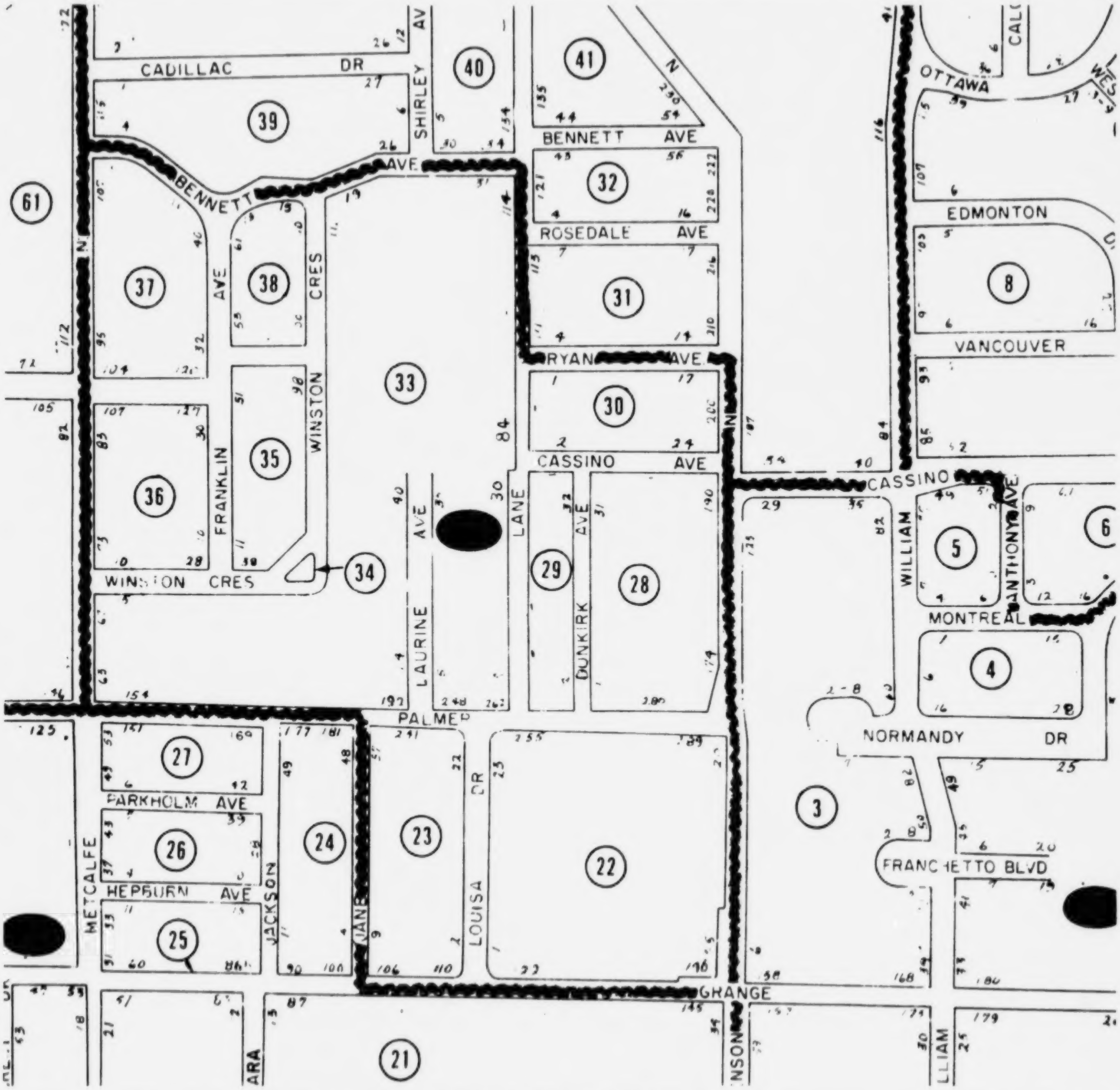
**MAP FEATURES**
Boundaries of enumeration areas, census divisions, census subdivisions and federal electoral districts. National Topographic System maps are used as base maps.

**SCALE**
Varies

**PUBLISHER**
Statistics Canada

**SOURCE**
Statistics Canada
Central Inquiry Service
Lobby
R. H. Coats Building
Ottawa, Ontario
K1A 0T6
Tel. (613) 990-2800

**COVERAGE**


CADILLAC DR
SHIRLEY AV
BENNETT AVE
BENNETT AVE
ROSEDALE AVE
RYAN AVE
CASSINO AVE
CASSINO
WINSTON CRES
WINSTON CRES
FRANKLIN AVE
AVE
LAURINE AVE
LANE
DUNKIRK AVE
PALMER
PARKHOLM AVE
HEPBURN AVE
METCALFE
JACKSON
JANE
LOUISA DR
GRANGE
WILLIAM
ANTHONY AVE
MONTREAL
NORMANDY DR
FRANCHETTO BLVD
OTTAWA
EDMONTON
VANCOUVER
ARA
NSON
LLIAM
3
4
5
6
8
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
61

## SERIES G81-13 CENSUS TRACTS/ENUMERATION AREAS

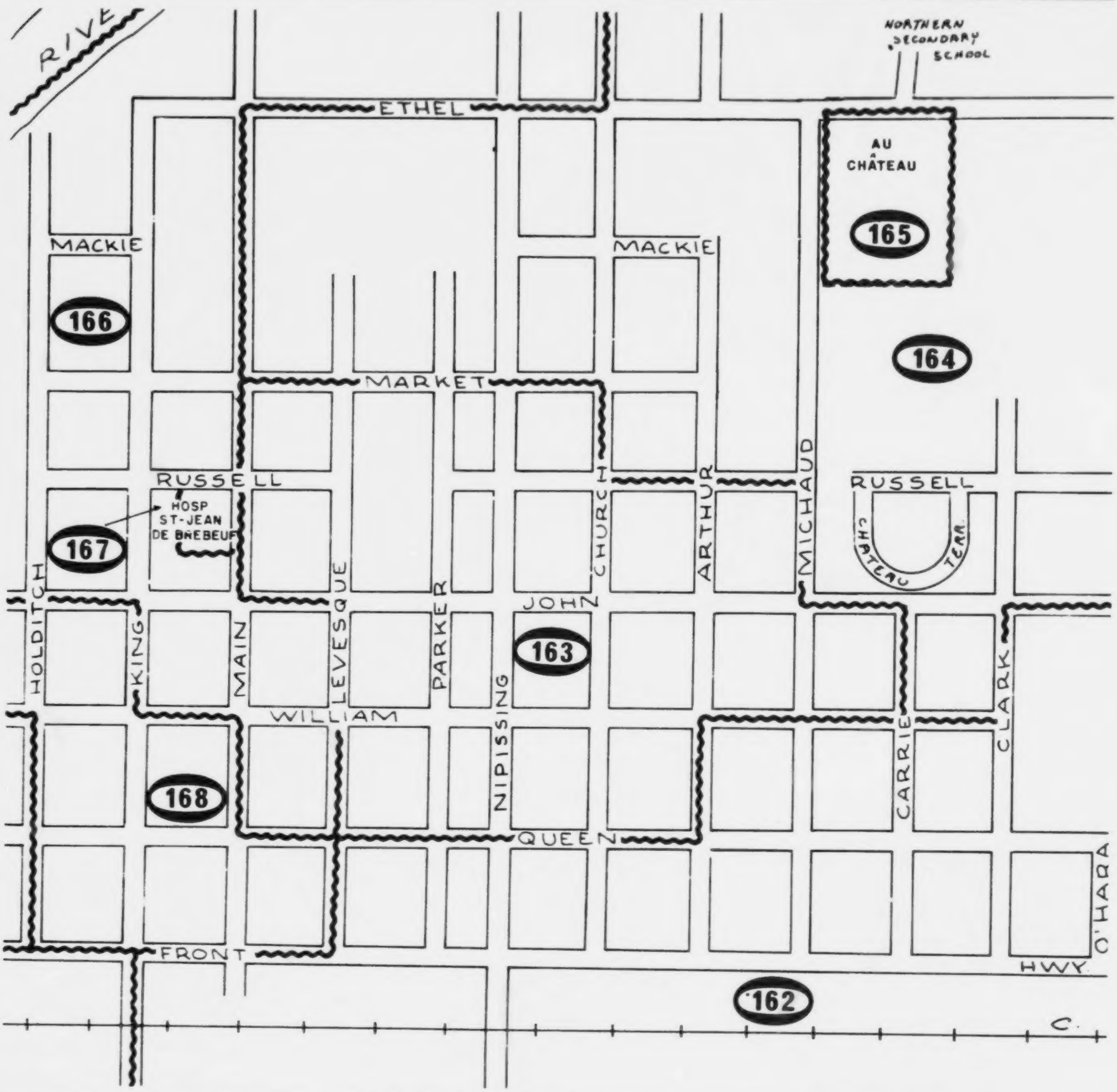
**MAP FEATURES**
Federal electoral district boundaries, enumeration area boundaries, street names, block numbers and other physical features such as senior citizen homes and schools.

**SCALE**
Varies

**PUBLISHER**
Statistics Canada

**SOURCE**
Statistics Canada
Central Inquiry Service
Lobby
R. H. Coats Building
Ottawa, Ontario
K1A 0T6
Tel. (613) 990-2800

**COVERAGE**


RIVE
NORTHERN SECONDARY SCHOOL
ETHEL
AU CHÂTEAU
165
MACKIE
MACKIE
166
164
MARKET
RUSSELL
HOSP ST-JEAN DE BRÉBEUF
RUSSELL
CHATEAU TERR
167
MICHAUD
ARTHUR
CHURCH
JOHN
163
HOLDITCH
KING
MAIN
LEVESQUE
PARKER
NIPISSING
CARRIE
CLARK
WILLIAM
168
QUEEN
O'HARA
FRONT
HWY
162
C.

## *URBAN ENUMERATION AREAS: SERIES G81-14*

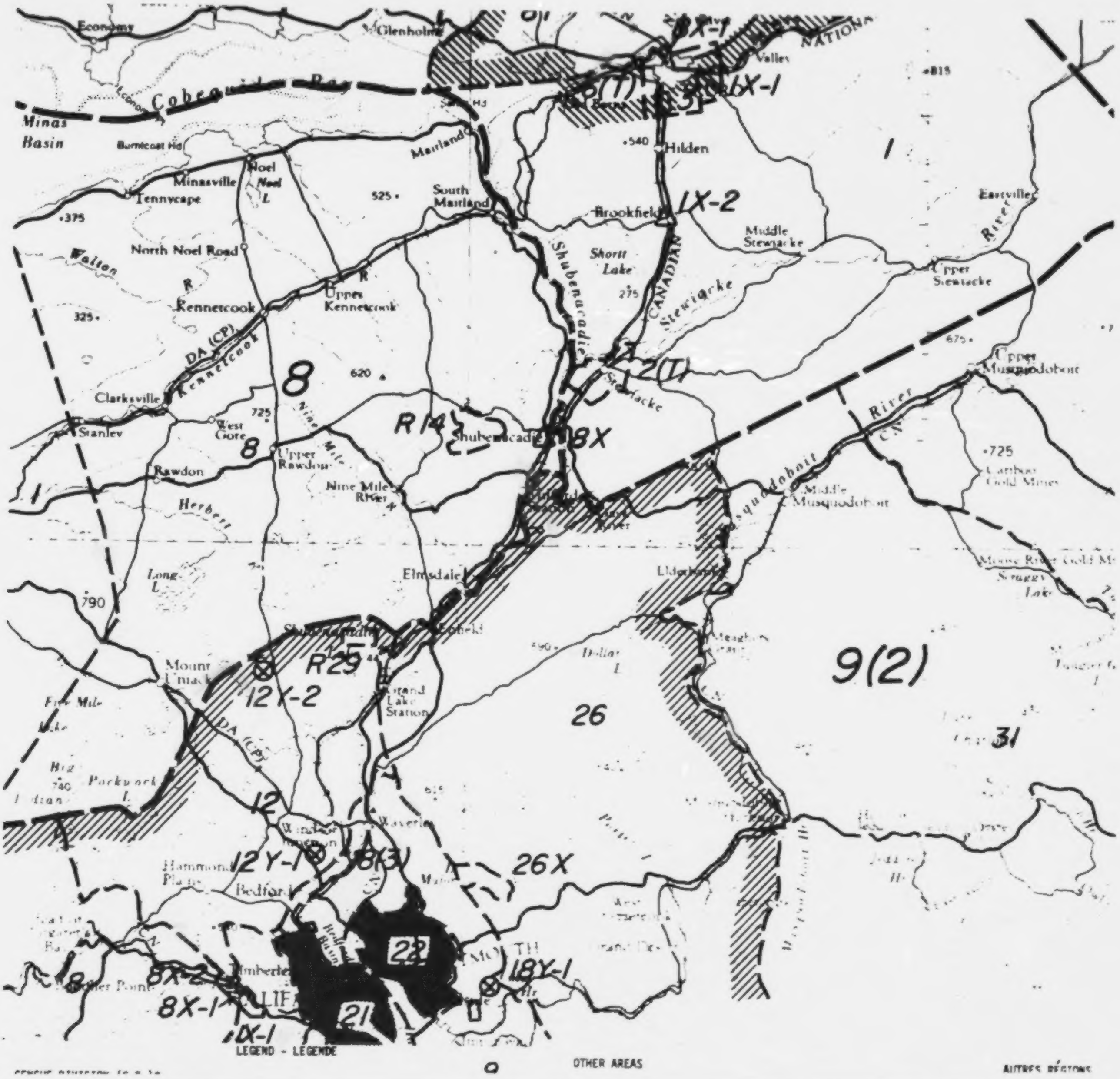
**MAP FEATURES**
Boundaries of enumeration areas located in smaller urban centres containing four or more enumeration areas, street names and such physical features as hospitals, schools and railways.

**SCALE**
Varies

**PUBLISHER**
Statistics Canada

**SOURCE**
Statistics Canada
Central Inquiry Service
Lobby
R. H. Coats Building
Ottawa, Ontario
K1A 0T6
Tel. (613) 990-2800

**COVERAGE**


Economy
Glenholme
Cobequid Bay
Minas Basin
Burntcoat Hd
Minasville
Tennycape
Noel
Maitland
South Maitland
Hilden
Brookfield
1X-2
Middle Stewiacke
Upper Stewiacke
North Noel Road
Walton
Kennetcook
Upper Kennetcook
Shubenacadie
Shortt Lake
Stewiacke
CANADIAN
DA (CP)
Clarksville
Stanley
West Gore
Rawdon
Upper Rawdon
Nine Mile River
Herbert
8
R14
8X
2(T)
1
Upper Musquodoboit
Middle Musquodoboit
Musquodoboit River
Caribou Gold Mines
Moose River Gold Mines
Scraggy Lake
Elmsdale
Enfield
Long L.
790
Mount Uniacke
Grand Lake Station
Dollar L.
9(2)
26
31
R25
12Y-2
Five Mile Lake
Big Indian L.
Pockwock L.
12
Waverley
Windsor Junction
Hammonds Plains
Bedford
Bedford Basin
12Y-1
8(3)
26X
28
21
18Y-1
8X-2
8X-1
1X-1
1X-1
8X-1
LEGEND - LÉGENDE
OTHER AREAS
AUTRES RÉGIONS

## CENSUS DIVISIONS/CENSUS SUBDIVISIONS AND FEDERAL ELECTORAL DISTRICTS/ENUMERATION AREAS: SERIES G76-15

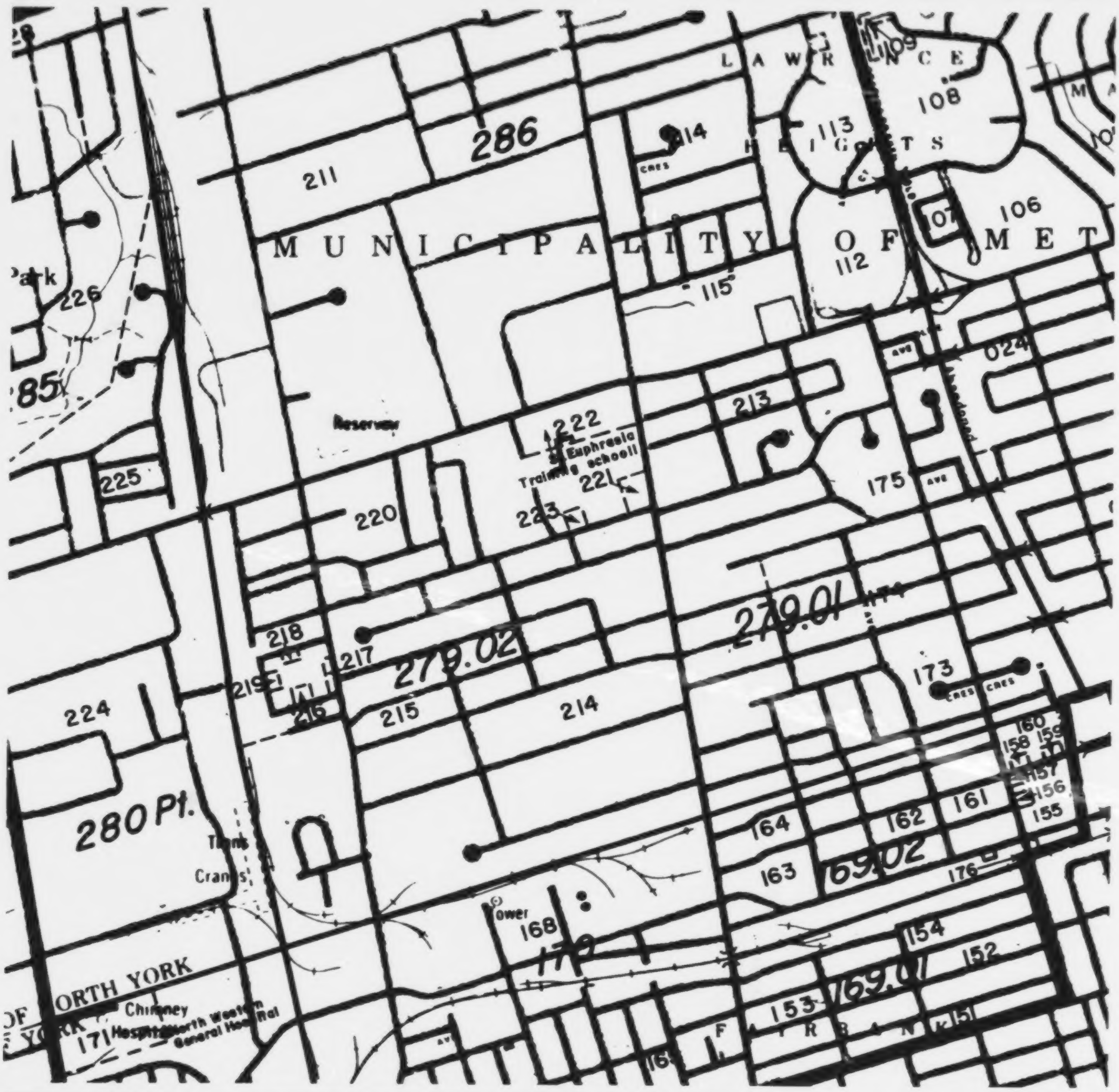
**MAP FEATURES**
Two overlays showing census divisions, census subdivisions, census metropolitan areas and census agglomerations; federal electoral districts and enumeration areas.

**SCALE**
1:500,000

**PUBLISHER**
Statistics Canada

**SOURCE**
Statistics Canada
Central Inquiry Service
Lobby
R. H. Coats Building
Ottawa, Ontario
K1A 0T6
Tel. (613) 990-2800

**COVERAGE**


LAWRENCE HEIGHTS
MUNICIPALITY OF MET
286
211
214
113
108
109
106
107
112
115
226
285
024
213
222
St. Euphrasia Training school
221
223
225
220
175
279.01
279.02
218
217
219
216
215
214
224
173
160
158
159
157
156
155
164
162
161
280 Pt.
163
169.02
176
Tower
168
179
154
152
OF NORTH YORK
Chimney
Hospital
North Western General Hospital
171
153
169.01
151
FAIRBANK
Reservoir
Tanks
Cranes
Park

## FEDERAL ELECTORAL DISTRICTS/ENUMERATION AREAS: SERIES G81-18

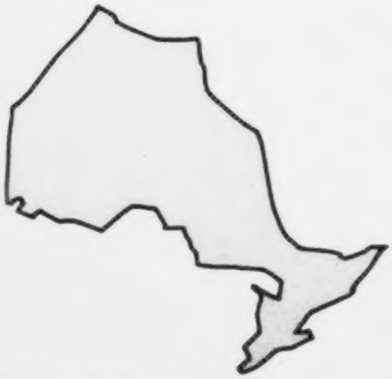
**MAP FEATURES**
Each map sheet covers one Federal Electoral District. Shows census tracts, enumeration area boundaries, census divisions, and census subdivisions.

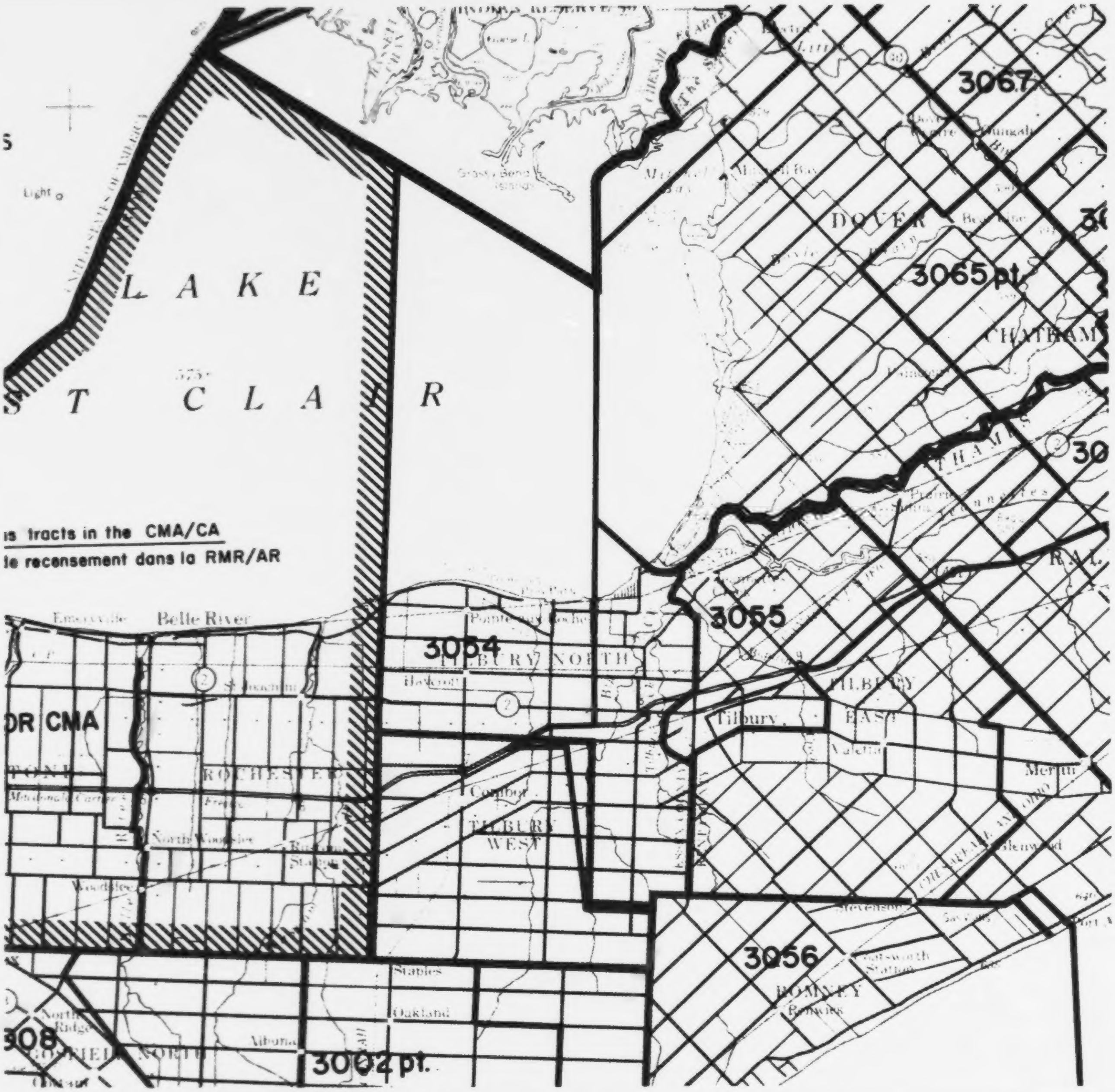
**SCALE**
Varies

**PUBLISHER**
Statistics Canada

**SOURCE**
Statistics Canada
Central Inquiry Service
Lobby
R. H. Coats Building
Ottawa, Ontario
K1A 0T6
Tel. (613) 990-2800

**COVERAGE**




3067
DOVER
Mitchell Bay
3065 pt.
CHATHAM
L A K E
S T C L A I R
THAMES
s tracts in the CMA/CA
le recensement dans la RMR/AR
Emeryville
Belle River
3054
TILBURY NORTH
Pointe aux Roches
3055
TILBURY EAST
Tilbury
Valetta
Merlin
DR CMA
ROCHESTER
St. Joachim
Comber
TILBURY WEST
North Woodslee
Woodslee
Staples
Oakland
3056
ROMNEY
3002 pt.
308
North Ridge

## PROVINCIAL CENSUS TRACTS: SERIES G81-21

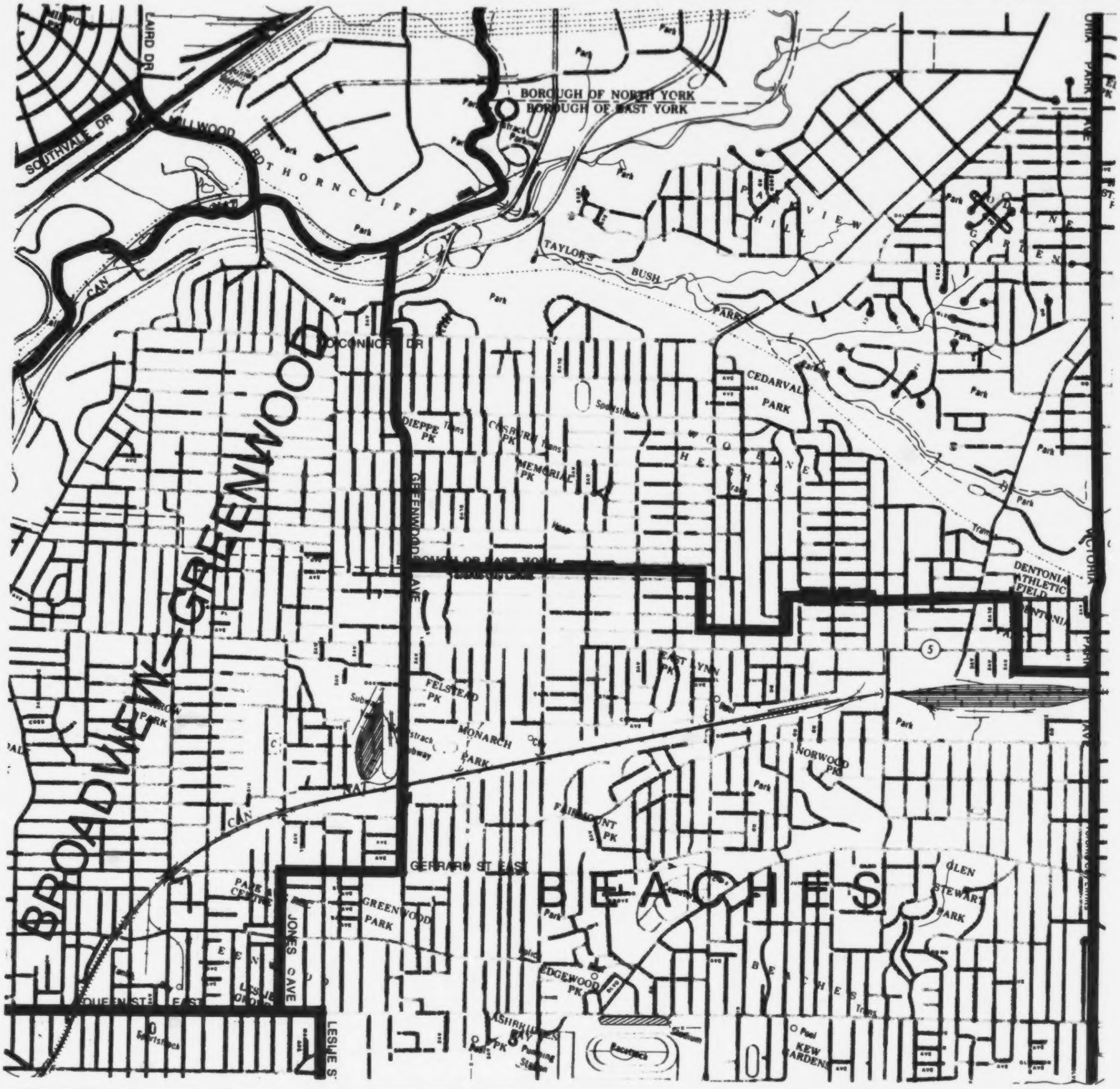
**MAP FEATURES**
Boundaries of all provincial census tracts, CMA's, and CA's. National Topographic System maps are used as bases, and water bodies, place names, roads and railroads are shown.

**SCALE**
Varies

**PUBLISHER**
Statistics Canada

**SOURCE**
Statistics Canada
Central Inquiry Service
Lobby
R. H. Coats Building
Ottawa, Ontario
K1A 0T6
Tel. (613) 990-2800

**COVERAGE**


BOROUGH OF NORTH YORK
BOROUGH OF EAST YORK
LAIRD DR
SOUTHVALE DR
MILLWOOD
THORNCLIFFE
TAYLORS BUSH
PARK
O'CONNOR DR
CEDARVALE PARK
DIEPPE PK
MEMORIAL PK
WOODBINE HEIGHTS
BROADVIEW-GREENWOOD
GREENWOOD AVE
DENTONIA ATHLETIC FIELD
EAST LYNN PK
FELSTEAD PK
MONARCH PARK
NORWOOD PK
FAIRMOUNT PK
GERRARD ST EAST
BEACHES
GLEN STEWART PARK
GREENWOOD PARK
JONES AVE
QUEEN ST EAST
LESLIE ST
EDGEWOOD PK
ASHBRIDGES BAY PK
KEW GARDENS
VICTORIA PARK AVE

## ELECTORAL DISTRICTS

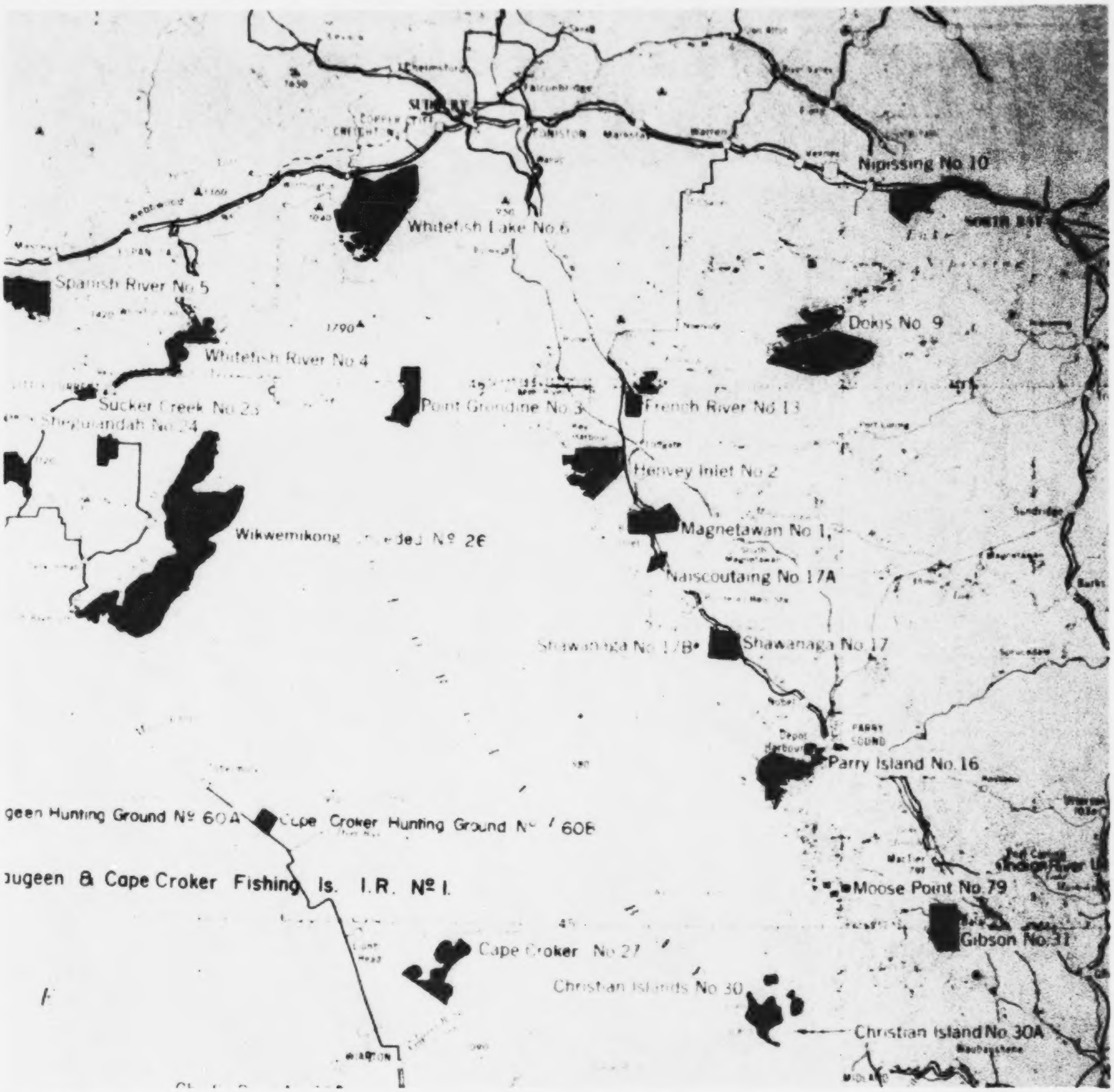
**MAP FEATURES**
Electoral district boundaries, street names, parks, schools, golf courses and other physical features.
- Coloured map

**SCALE**
Varies

**PUBLISHER**
Department of Energy, Mines and Resources

**SOURCE**
Department of Energy, Mines and Resources
Canada Map Office
615 Booth Street
Ottawa, Ontario
K1A 0E9
Tel. (613) 998-3865

**COVERAGE**


SUDBURY
Nipissing No 10
NORTH BAY
Whitefish Lake No 6
Spanish River No 5
Dokis No 9
Whitefish River No 4
Point Grondine No 3
French River No 13
Sucker Creek No 23
Sheguiandah No 24
Henvey Inlet No 2
Magnetawan No 1
Wikwemikong Unceded Nº 26
Naiscoutaing No 17A
Shawanaga No 17B
Shawanaga No 17
PARRY SOUND
Parry Island No 16
geen Hunting Ground Nº 60A
Cape Croker Hunting Ground Nº 60B
augeen & Cape Croker Fishing Is. I.R. Nº I.
Moose Point No 79
Gibson No 31
Cape Croker No 27
Christian Islands No 30
Christian Island No 30A
WIARTON
MIDLAND

## INDIAN RESERVES IN ONTARIO

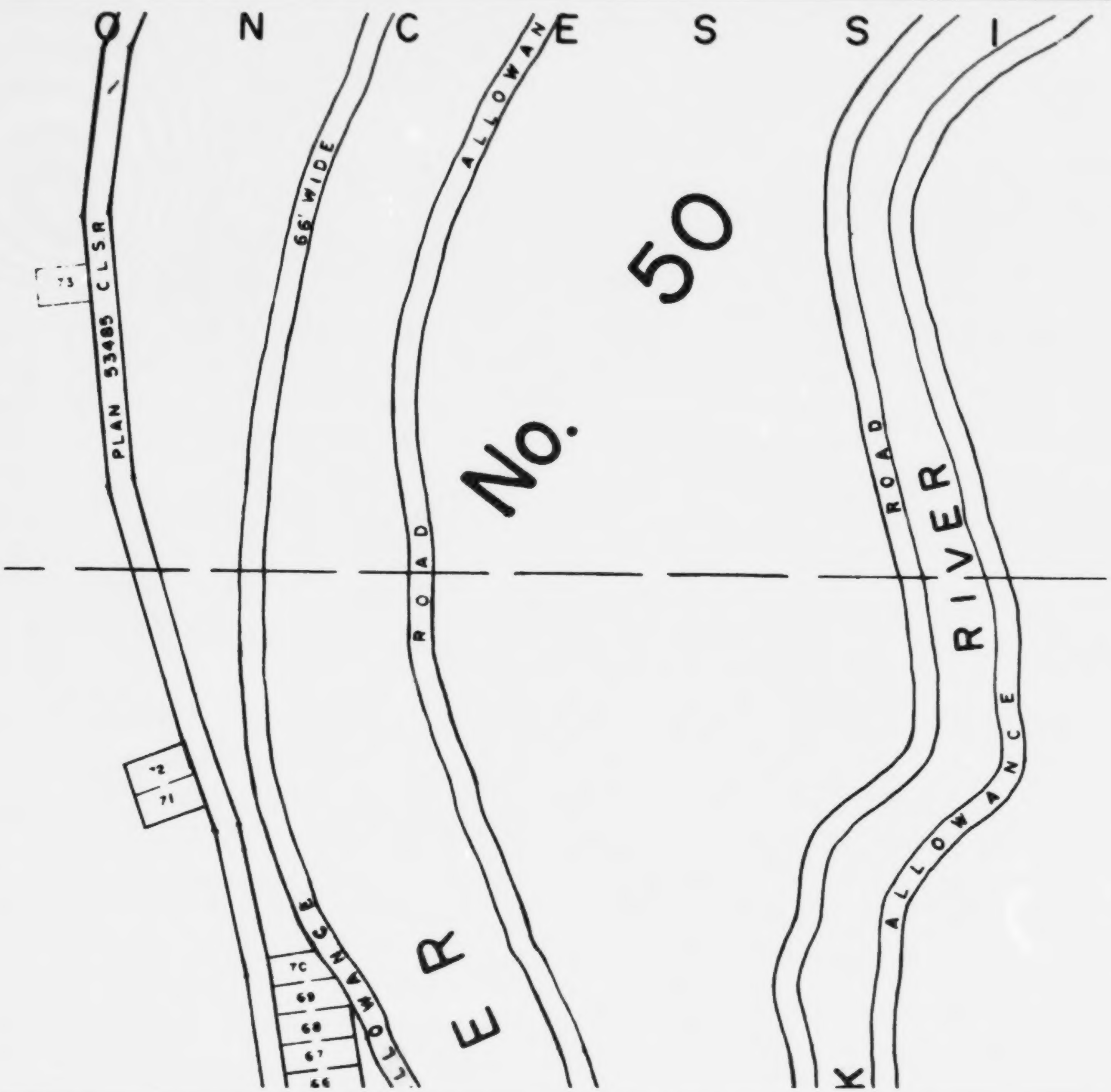
**MAP FEATURES**
International and provincial boundaries, roads, mines, trading posts and Indian Reserves and settlements are shown.

**SCALE**
1:1,203,840

**PUBLISHER**
Department of Energy, Mines and Resources

**SOURCE**
Department of Energy, Mines and Resources
Canada Map Office
615 Booth Street
Ottawa, Ontario
K1A 0E9
Tel. (613) 998-3865

**COVERAGE**


O N C E S S I
PLAN 53485 CLSR
66' WIDE
ALLOWANCE
ROAD
No. 50
ROAD
RIVER
ALLOWANCE
ROAD
ALLOWANCE
ALLOWANCE
E R
K
73
72
71
70
69
68
67
66

## BOUNDARIES OF INDIAN RESERVES

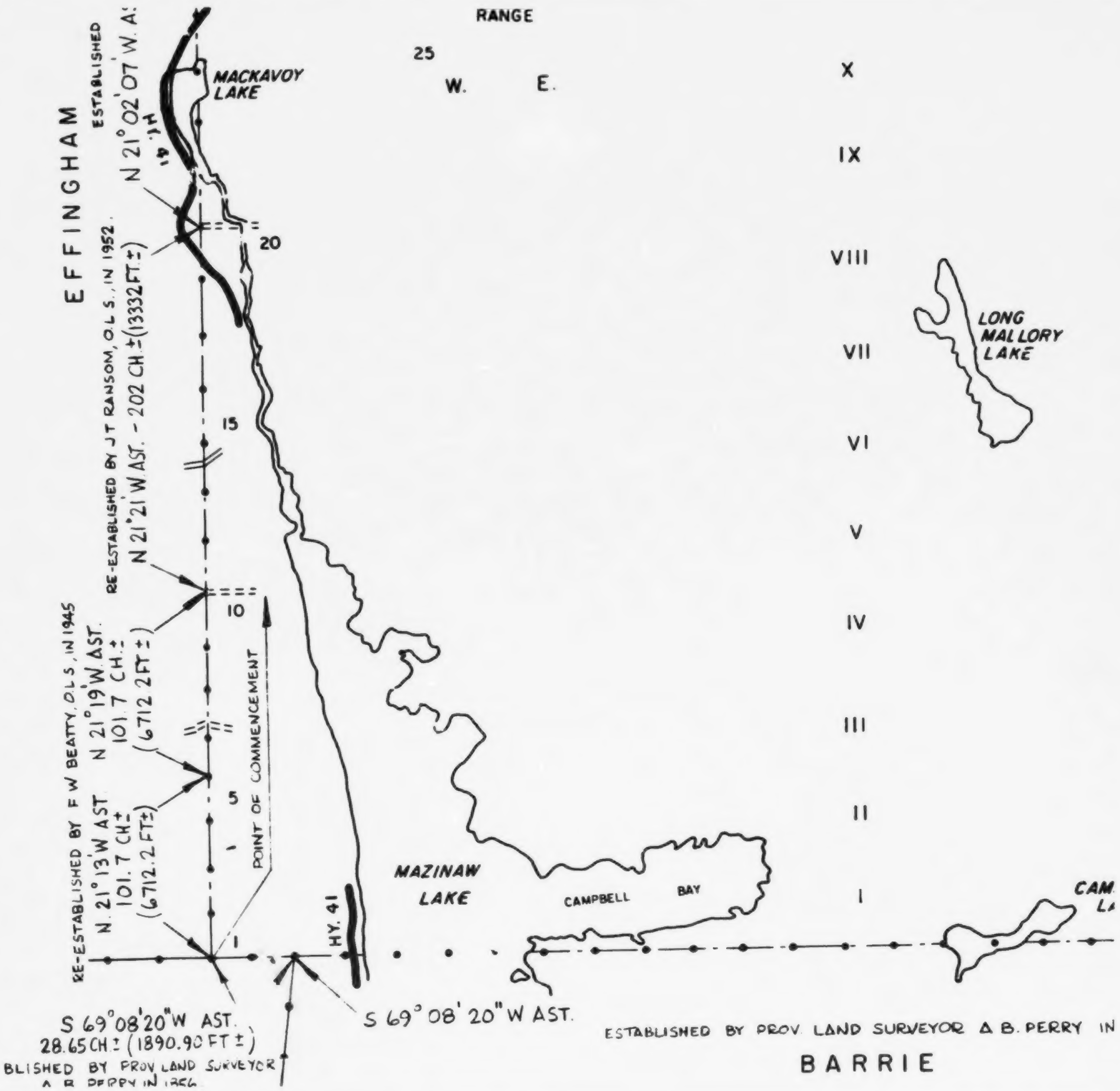
**MAP FEATURES**
Boundaries of Indian Reserves, lot boundaries, roads.

**SCALE**
1:4,800 (1" = 400')

**PUBLISHER**
Department of Energy, Mines and Resources

**SOURCE**
Department of Energy, Mines and Resources
Canada Map Office
615 Booth Street
Ottawa, Ontario
K1A 0E9
Tel. (613) 998-3865

**COVERAGE**


RANGE
25
W.
E.
X
IX
VIII
VII
VI
V
IV
III
II
I
MACKAVOY LAKE
LONG MALLORY LAKE
MAZINAW LAKE
CAMPBELL BAY
CAM
EFFINGHAM
ESTABLISHED
N 21° 02' 07" W. A
RE-ESTABLISHED BY J T RANSOM, O.L.S., IN 1952.
N 21°21' W AST. - 202 CH.±(13332 FT.±)
RE-ESTABLISHED BY F W BEATTY, O.L.S., IN 1945
N. 21° 13' W AST
101.7 CH±
(6712.2 FT±)
N 21° 19' W AST.
101.7 CH±
(6712 2 FT±)
POINT OF COMMENCEMENT
20
15
10
5
1
HY. 41
S 69°08'20"W AST.
28.65 CH± (1890.90 FT±)
BLISHED BY PROV LAND SURVEYOR A B PERRY IN
S 69° 08' 20" W AST.
ESTABLISHED BY PROV. LAND SURVEYOR A B. PERRY IN
BARRIE

## QUIETING ORDERS

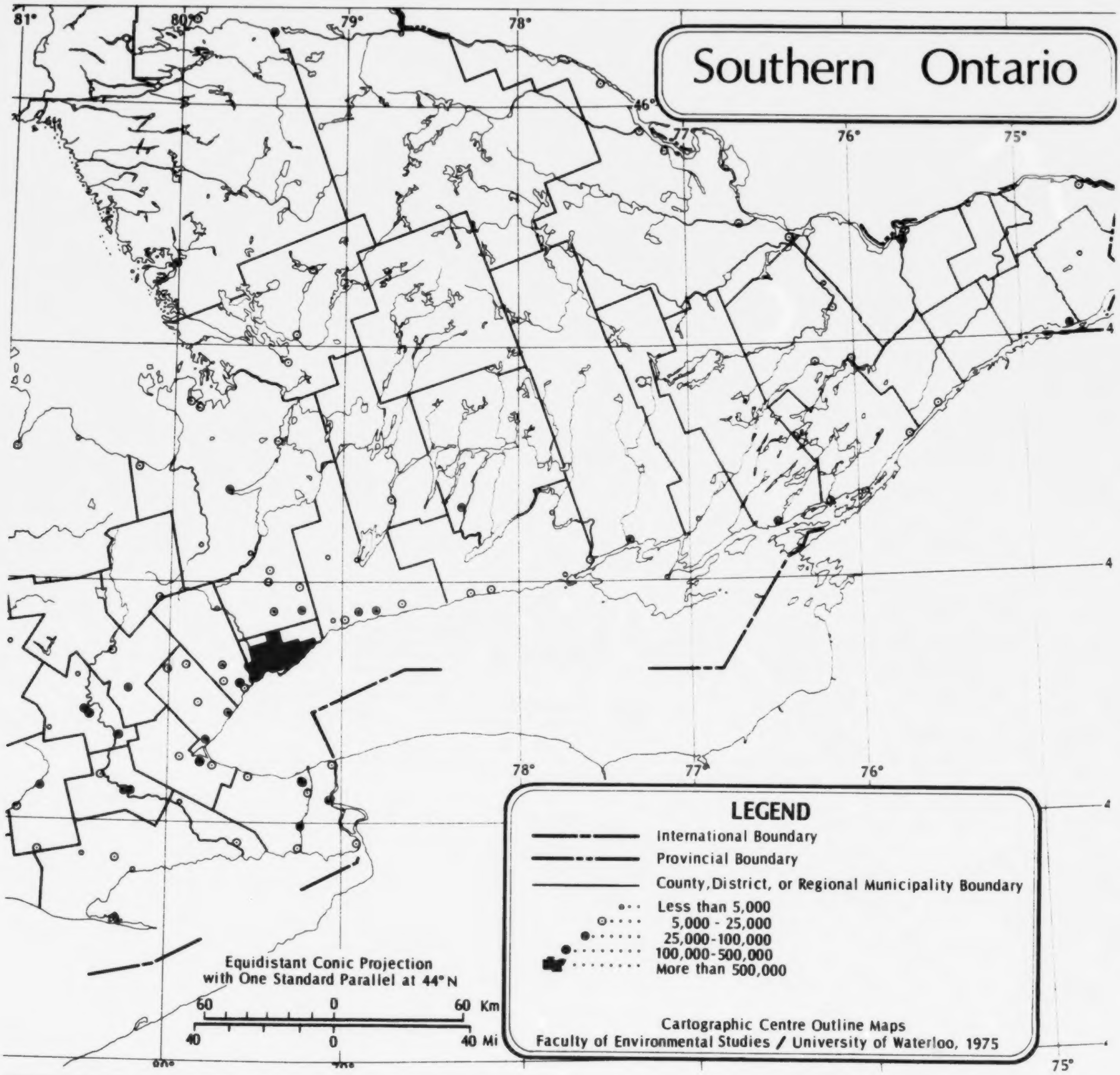
**MAP FEATURES**
Illustration of the corporate limits of local municipalities.

**SCALE**
1:63,360 (1" = 1 mile)

**PUBLISHER**
Ontario Ministry of Municipal Affairs

**SOURCE**
Ontario Ministry of Municipal Affairs
Plans Administration Branch
14th Floor
777 Bay Street
Toronto, Ontario
M5G 2E5
Tel. (416) 585-6081

**COVERAGE**


Southern Ontario
81°
80°
79°
78°
77°
76°
75°
46°
LEGEND
International Boundary
Provincial Boundary
County, District, or Regional Municipality Boundary
Less than 5,000
5,000 - 25,000
25,000 - 100,000
100,000 - 500,000
More than 500,000
Equidistant Conic Projection
with One Standard Parallel at 44° N
60 0 60 Km
40 0 40 Mi
Cartographic Centre Outline Maps
Faculty of Environmental Studies / University of Waterloo, 1975

## *SOUTHERN/NORTHERN ONTARIO*

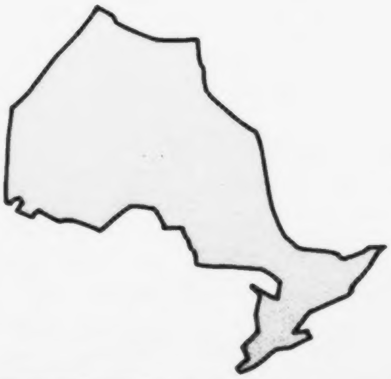
**MAP FEATURES**
General purpose base maps show international, provincial, county, district and municipal boundaries and urban centres.

**SCALE**
Varies

**PUBLISHER**
University of Waterloo

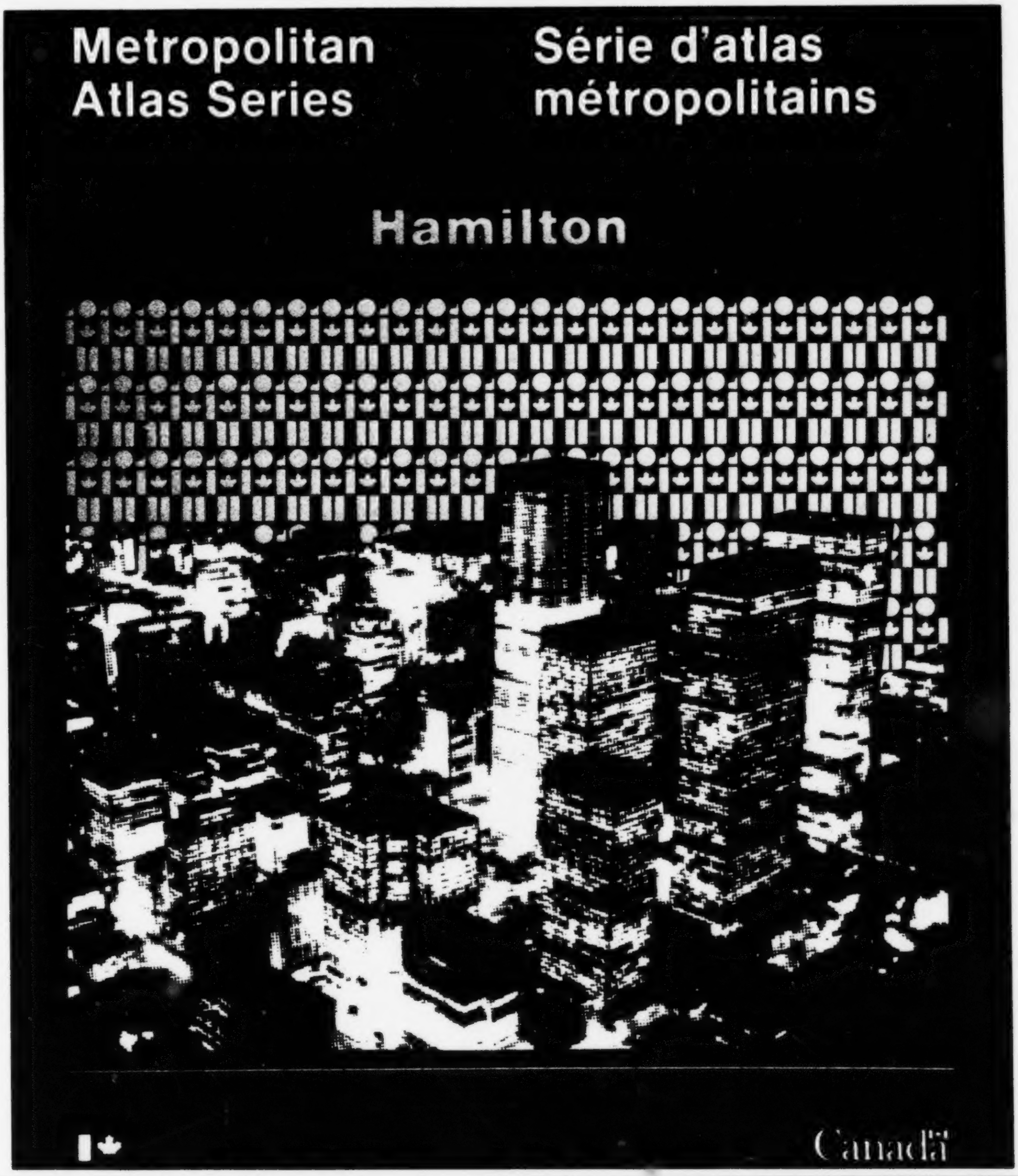
**SOURCE**
Cartographic Centre
Faculty of Environmental Studies
University of Waterloo
Waterloo, Ontario
N2L 3G1
Tel. (519) 885-1211 ext. 3110

**COVERAGE**



# SOCIAL & ECONOMIC

| title | scale | page |
|---|---|---|
| Metropolitan Atlas Series | Varies | 43 |
| Mother Tongue Groups | Schematic | 44 |


Metropolitan Atlas Series
Série d'atlas métropolitains
Hamilton
Canada

## METROPOLITAN ATLAS SERIES

**MAP FEATURES**
Key demographic, housing, social and economic themes portraying important characteristics of the metropolitan areas. Maps summarize statistics, census data and highlight their spatial dimensions. Toronto catalogue #919, Ottawa catalogue #924, Hamilton catalogue #928.

- Coloured map

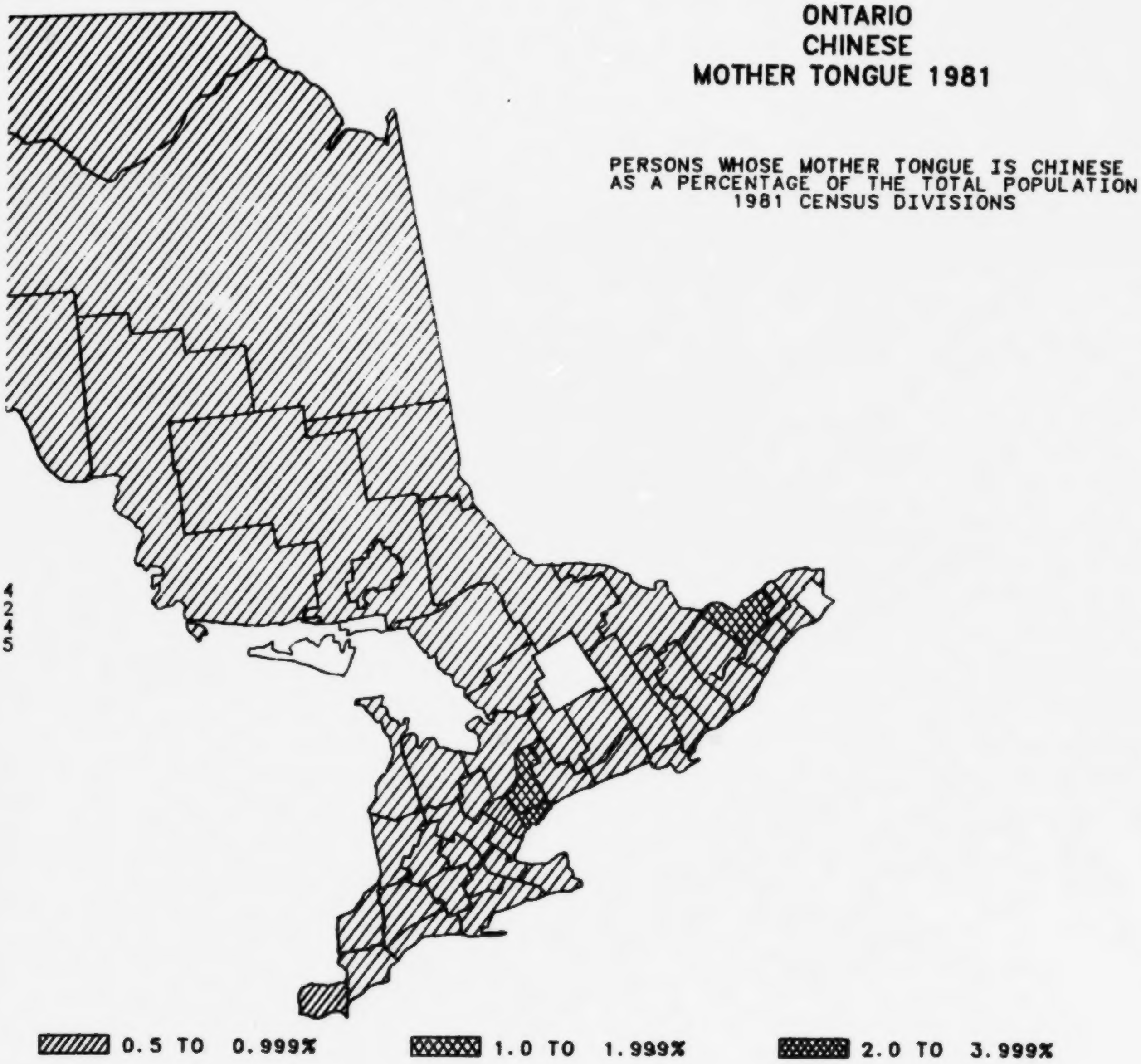
**SCALE**
Varies

**PUBLISHER**
Statistics Canada

**SOURCE**
Statistics Canada
Central Inquiry Service
Lobby
R. H. Coats Building
Ottawa, Ontario
K1A 0T6
Tel. (613) 990-2800
Toronto Tel. (416) 973-6586

**COVERAGE**

Toronto
Ottawa
Hamilton



ONTARIO
CHINESE
MOTHER TONGUE 1981

PERSONS WHOSE MOTHER TONGUE IS CHINESE
AS A PERCENTAGE OF THE TOTAL POPULATION
1981 CENSUS DIVISIONS

## MOTHER TONGUE GROUPS

**MAP FEATURES**
Computerized maps. Selected mother tongue groups by Ontario Census Divisions. Mother tongue groups available: Chinese, Croatian, Serbian, Slovenian, Yugoslav, Czech, Slovak, German, Greek, Indo-Pakistani, Italian, Magyar, Native Indian, Dutch, Philippino, Polish, Portuguese, Spanish, Ukrainian.

**SCALE**
Schematic map

**PUBLISHER**
Ontario Ministry of Citizenship and Culture

**SOURCE**
Ontatrio Ministry of Citizenship and Culture
Ethnocultural Data Information
77 Bloor Street West
5th Floor
Toronto, Ontario
M7A 2R9
Tel. (416) 965-5280

**COVERAGE**

# LAND USE

| title | scale | page |
|---|---|---|
| Land Use Maps (Municipal) | Varies | 47 |
| Military City Maps | 1:25,000 | 48 |
| Land and Infrastructure Maps | 1:25,000<br>1:50,000 | 49 |
| Canada Land Use Monitoring Program | 1:50,000 to 1:1,000,000 | 50 |
| Boundary History | 1:50,000 | 51 |
| Subdivision Applications | 1:50,000 | 52 |
| Ontario Waste Management Corporations Maps | 1:1,000,000 | 53 |

CONESTOGA
SUGARBUSH PARK
CONESTOGA COLLEGE
ST DAVID'S SD SEPARATE SCHOOL
PLAZA
HWY NO 401
KING ST
SERVICE RD

## LAND USE (MUNICIPAL)

**MAP FEATURES**
Industrial, commercial, institutional, residential, parks, cemeteries, open spaces and vacant land uses.

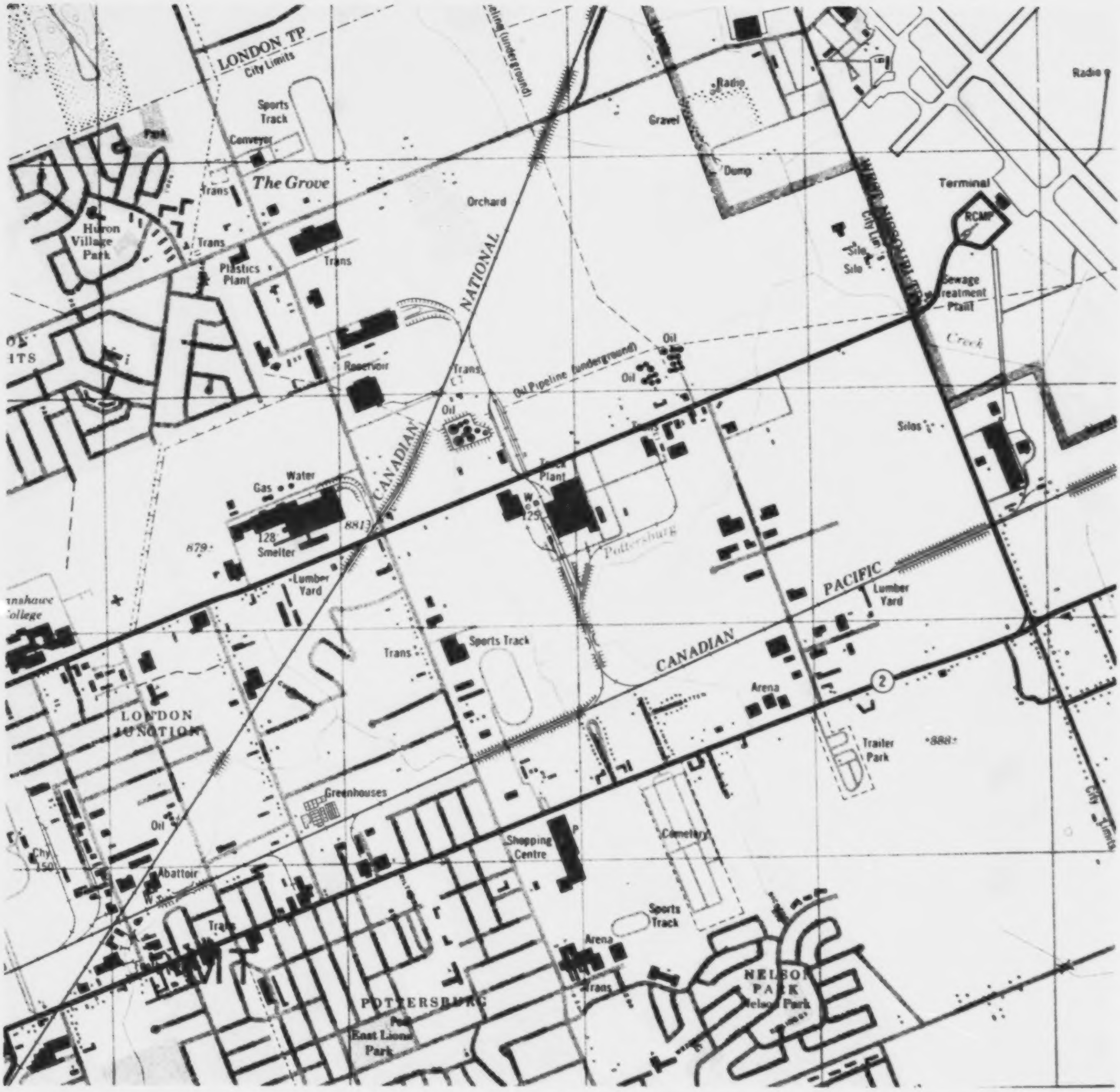
**SCALE**
Varies

**PUBLISHER**
Municipalities

**SOURCE/COVERAGE**
Contact individual municipalities for information.

**COVERAGE**

Not all municipalities have land use information in a reproducible form


LONDON TP
City Limits
Sports Track
Conveyor
The Grove
Trans
Huron Village Park
Plastics Plant
Orchard
NATIONAL
CANADIAN
Reservoir
Oil Pipeline (underground)
Oil
Gas
Water
Smelter
879
8813
128
125
Lumber Yard
Pottersburg
Radio
Gravel
Dump
Terminal
RCMP
Silo
Sewage Treatment Plant
Creek
Silos
PACIFIC
CANADIAN
Lumber Yard
Arena
Trailer Park
888
2
Sports Track
LONDON JUNCTION
Greenhouses
Oil
Abattoir
Shopping Centre
Cemetery
Sports Track
Arena
NELSON PARK
Nelson Park
POTTERSBURG
East Lions Park
City Limits

## MILITARY CITY MAP

**MAP FEATURES**
Boundaries, built-up areas, federal properties, parks, golf courses, wooded areas, street names and traffic direction, service lanes, trails, cemeteries, buildings, bridges, powerlines, sand and gravel pits, embankments and spot elevations.

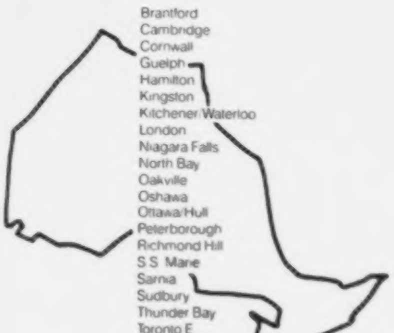
- Coloured map

**SCALE**
1:25,000

**PUBLISHER**
Department of Energy, Mines and Resources

**SOURCE**
Department of Energy, Mines and Resources
Canada Map Office
615 Booth Street
Ottawa, Ontario
K1A 0E9
Tel. (613) 998-3865

**COVERAGE**


Brantford
Cambridge
Cornwall
Guelph
Hamilton
Kingston
Kitchener/Waterloo
London
Niagara Falls
North Bay
Oakville
Oshawa
Ottawa/Hull
Peterborough
Richmond Hill
S.S. Marie
Sarnia
Sudbury
Thunder Bay
Toronto E
Toronto W
Trenton/Belleville
Windsor

## LAND AND INFRASTRUCTURE MAPS

**MAP FEATURES**
Focus of maps is residential land supply in major urban centres. Public and private lands, residential density, subdivision plans, sewers, watermains, existing urban areas, commercial, industrial, developed and undeveloped areas, parkland and conservation authorities, NIP areas, municipal offices, utility lines, roads, commuter rails, airport noise cones, floodplains and rock outcrops.

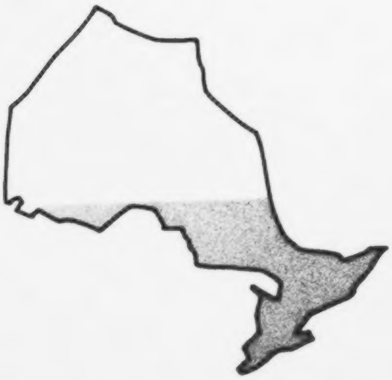
- Coloured map

**SCALE**
1:25,000, 1:50,000

**PUBLISHER**
Canada Mortgage and Housing
Corporation

**SOURCE**
Canada Mortgage and Housing
Corporation
373 Sussex Drive
Ottawa, Ontario
K1A 0P7
Tel. (613) 748-2441

**COVERAGE**



**CANADA LAND USE MONITORING PROGRAM**

TORONTO UCR
LAND USE
1980

LEGEND
☐ AGRICULTURE
■ URBAN USES
■ WOODED
■ GRASSLAND
■ TRANSITION LAND
☐ UNUSED/IDLE
■ RECREATION
■ EXTRACTION
0
12
24 KM

## CANADA LAND USE MONITORING PROGRAM

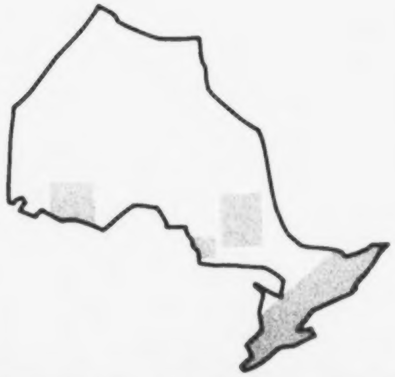
**PROGRAM FEATURES**
Provides improved awareness of the state of the land resource.
Identifies land use trends of national and regional significance.
Determines major areas of rapid change.
Provides analysis for land use changes in terms of causes and consequences.
Generates a comprehensive data base.
Coloured maps

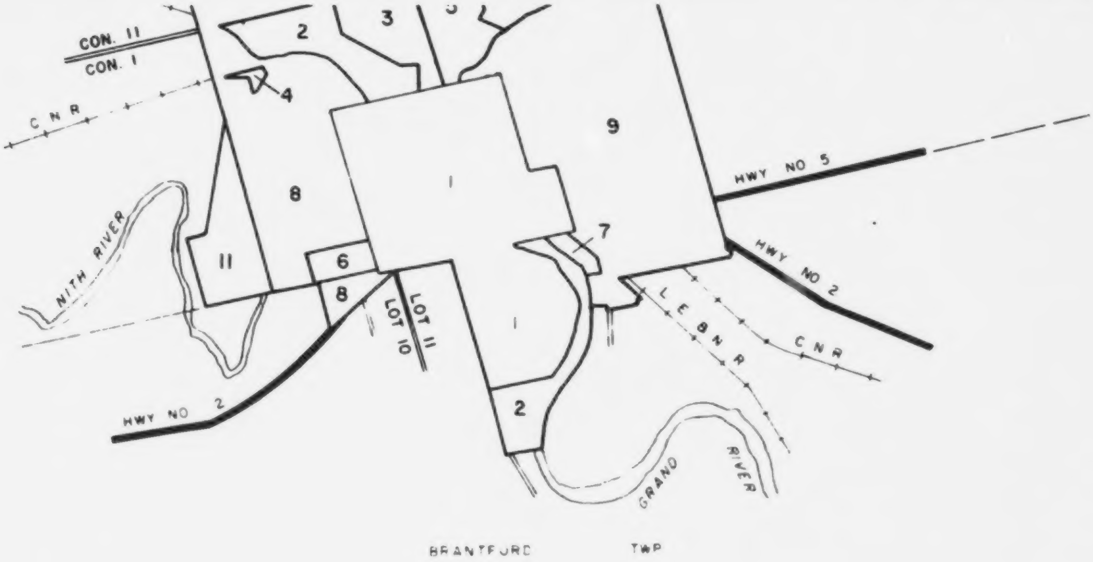
**SCALE**
Varies from 1:50,000 to 1:1,000,000

**PUBLISHER**
Land Use Monitoring Division
Lands Directorate
Environment Canada
Ottawa, Canada
K1A 0E7
Tel. (819) 997-2270

**SOURCE**
Lands Directorate
Environment Canada
P.O. Box 5050
Burlington, Ontario
L7R 4A6
Tel. (416) 637-4551

**COVERAGE**




CON. 11
CON. 1
C N R
NITH RIVER
HWY NO 2
LOT 10
LOT 11
HWY NO 5
HWY NO 2
L E & N R
C N R
GRAND RIVER
BRANTFORD TWP
1
2
3
4
5
6
7
8
9
11

## TOWN OF PARIS

| | | | |
|---|---|---|---|
| 1. | C.S. | 1849c 81 | 1/1/1850 VLG. |
| 2 | PROC. | | 30/9/1854 |
| | C.S. | 1855c148 | 1/1/1856 TWN |
| 3. | PROC. | | 31/12/1902 |
| 4. | P. F | 568 | 23/11/1909 |
| 5. | P F B. | 8016 | 1/1/1948 |
| 6 | P F. B | 8017 | 1/7/1948 |
| 7. | P. F. C | 4578 | 31/11/1950 |
| 8 | P. F M. | 3637 | 1/1/1957 |
| 9. | N | 3423 | 1/1/1964 |
| 10. | M | 73280 | 1/7/1974 |
| 11. | M. | 7571 | 1/10/1975 |
| 12. | M. | 79139 | 1/1/1980 |
| 13. | M. | 79166 | 1/1/1980 |

## BOUNDARY HISTORY

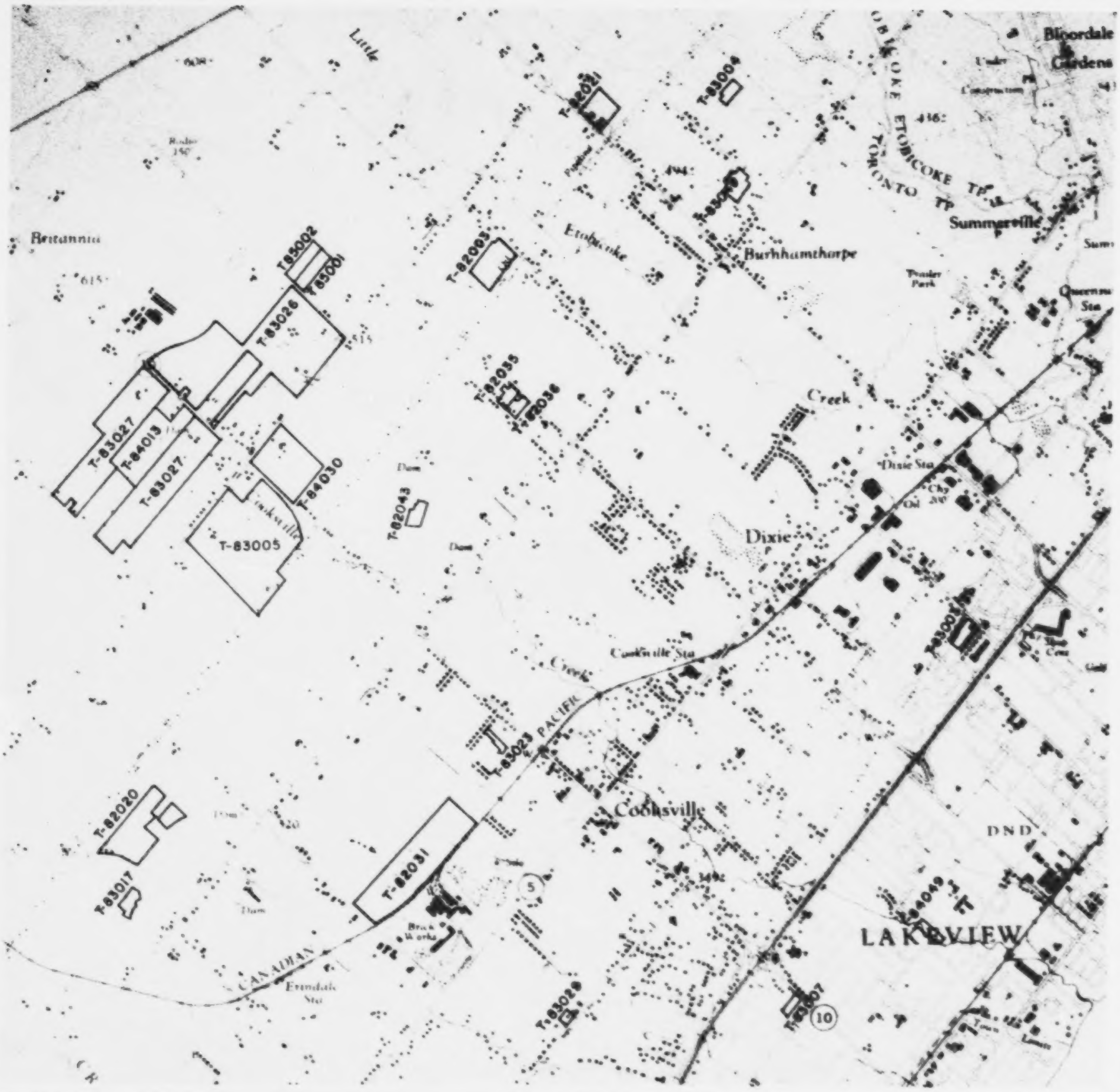
**MAP FEATURES**
History of municipal annexations and amalgamations.

**SCALE**
1:50,000

**PUBLISHER**
Ontario Ministry of Municipal Affairs

**SOURCE**
Ontario Ministry of Municipal Affairs
Plans Administration Branch
14th Floor
777 Bay Street
Toronto, Ontario
M5G 2E5
Tel. (416) 585-6081

**COVERAGE**


Bloordale Gardens
Etobicoke Tp
Toronto Tp
Summerville
Burhhamthorpe
Etobicoke
Britannia
Creek
Dixie Sta
Dixie
Cooksville Sta
Cooksville
Pacific
Canadian
Erindale Sta
Brick Works
DND
LAKEVIEW
T-82021
T-83004
T-82005
T-85002
T-85001
T-83026
T-83027
T-84013
T-84030
T-83005
T-82055
T-82036
T-82043
T-83023
T-82020
T-82031
T-83017
T-83028
T-83007
T-84049
T-85003
5
10

## SUBDIVISION APPLICATIONS

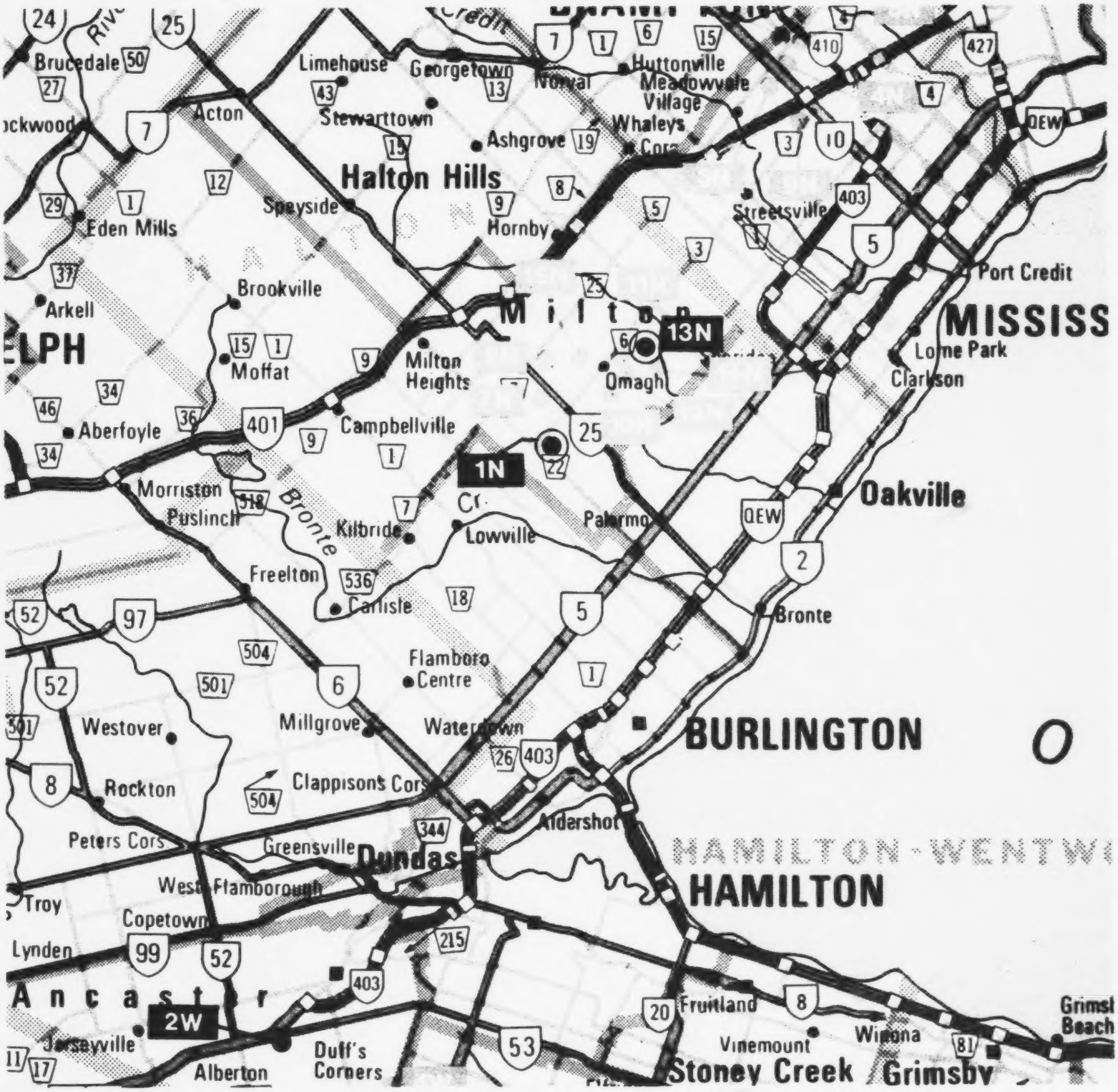
**MAP FEATURES**
Subdivision locations with T-file number, roads, spot elevations, buildings, schools, cemeteries, mines, rivers, power transmission lines, lighthouses (N.T.S. base).

**SCALE**
1:50,000

**PUBLISHER**
Ontario Ministry of Municipal Affairs

**SOURCE**
Ontario Ministry of Municipal Affairs
Plans Administration Branch
14th Floor
777 Bay Street
Toronto, Ontario
M5G 2E5
Tel. (416) 585-6081

**COVERAGE**


Halton Hills
Milton
13N
1N
2W
Georgetown
Limehouse
Acton
Stewarttown
Ashgrove
Norval
Huttonville
Meadowvale Village
Whaleys Cors
Streetsville
Speyside
Hornby
Eden Mills
Arkell
Brookville
Moffat
Milton Heights
Omagh
Campbellville
Aberfoyle
Morriston
Puslinch
Bronte
Kilbride
Lowville
Palermo
Freelton
Carlisle
Oakville
Port Credit
MISSISS
Lorne Park
Clarkson
Flamboro Centre
Millgrove
Waterdown
Westover
Rockton
Clappisons Cors
Peters Cors
Greensville
Dundas
Aldershot
BURLINGTON
O
HAMILTON-WENTW
HAMILTON
Troy
West Flamborough
Copetown
Lynden
Ancaster
Jerseyville
Alberton
Duff's Corners
Fruitland
Vinemount
Winona
Stoney Creek
Grimsby
Grimsby Beach
Brucedale
ELPH

## ONTARIO WASTE MANAGEMENT CORPORATION

**MAP FEATURES**
A variety of maps prepared to select a suitable waste disposal site. Map themes include atmospheric conditions, biology, heritage qualities, land use, physical resources, transportation and socio-economic conditions of candidate sites.

- Coloured map

**SCALE**
1:1,000,000

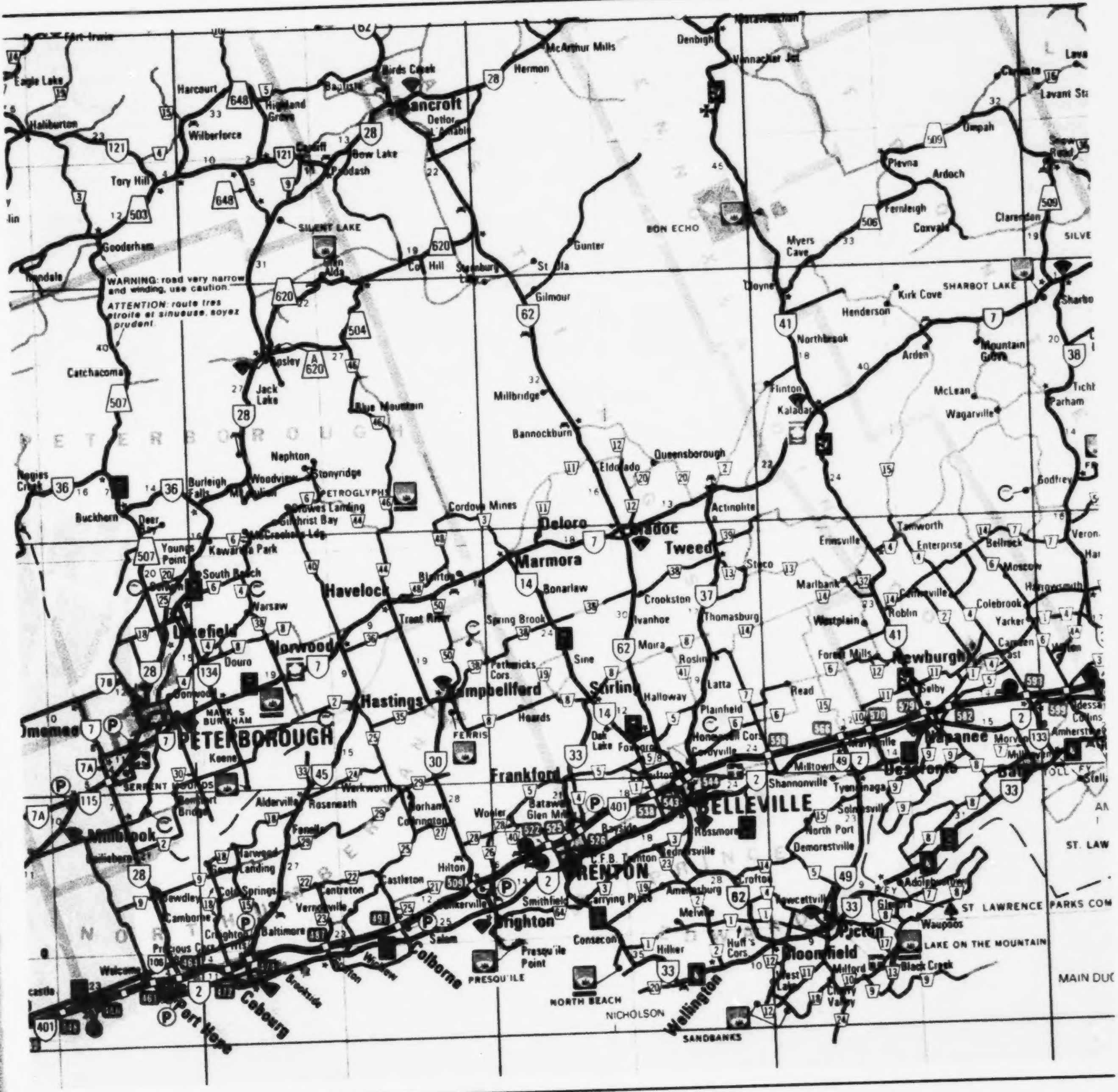
**PUBLISHER**
Ontario Waste Management Corporation

**SOURCE**
Ontario Waste Management Corporation
2 Bloor Street West
11th Floor
Toronto, Ontario
M4W 3E2
Tel. (416) 923-2918

**COVERAGE**

# TRANSPORTATION

| title | scale | page |
|---|---|---|
| Official Road Maps of Ontario | | |
| Northern Ontario | 1:1,600,000 | 57 |
| Southern Ontario | 1:800,000 | 57 |
| Ontario Transportation Map Series | 1:250,000 | 58 |
| (city, town enlargements) | 1:50,000 | 58 |
| Monochrome Map Series | 1:100,000 | 59 |
| Ontario Intercity Guide to Public Transportation | Schematic | 60 |
| Ontario Airport Facilities | | |
| Northern Ontario | 1:1,600,000 | 61 |
| Southern Ontario | 1:800,000 | 61 |
| Noise Exposure Projection (NEP) | 1:50,000 | 62 |
| Noise Exposure Forecast (NEF) | 1:50,000 | 63 |
| Joint Operations Graphic (Air) Maps | 1:250,000 | 64 |


Bancroft
Harcourt
Haliburton
Wilberforce
Tory Hill
Gooderham
SILENT LAKE
WARNING: road very narrow and winding, use caution.
ATTENTION: route très étroite et sinueuse, soyez prudent.
Catchacoma
Coe Hill
Gilmour
Millbridge
Bannockburn
BON ECHO
Myers Cave
Denbigh
McArthur Mills
Hermon
Plevna
Ardoch
Ompah
Fernleigh
Clarendon
SHARBOT LAKE
Kirk Cove
Henderson
Northbrook
Arden
Mountain Grove
Flinton
Kaladar
McLean
Wagarville
Parham
Godfrey
Queensborough
Eldorado
Madoc
Tweed
Deloro
Marmora
Havelock
Norwood
Campbellford
Hastings
Stirling
Actinolite
Tamworth
Enterprise
Erinsville
Moscow
Yarker
Roblin
Newburgh
Napanee
Deseronto
Bath
Amherstview
Belleville
Trenton
Frankford
Brighton
Colborne
Cobourg
Port Hope
Peterborough
Lakefield
Buckhorn
Burleigh Falls
Young's Point
Woodview
PETROGLYPHS
Millbrook
Keene
Warsaw
Douro
Picton
Bloomfield
Wellington
Consecon
Carrying Place
PRESQU'ILE
NORTH BEACH
NICHOLSON
SANDBANKS
LAKE ON THE MOUNTAIN
ST. LAWRENCE PARKS COM
MAIN DUC
Waupoos
Glenora
Milford
Black Creek
Cherry Valley
Rossmore
Shannonville
Tyendinaga
Marlbank
Thomasburg
Crookston
Ivanhoe
Moira
Roslin
Plainfield
Halloway
Sine
Spring Brook
Bonarlaw
Havelock
Warkworth
Roseneath
Alderville
Castleton
Grafton
Baltimore
Welcome
Codrington
Wooler
Hilton
Smithfield
C.F.B. Trenton
PETERBOROUGH

---

## OFFICIAL ROAD MAP OF ONTARIO

**MAP FEATURES**
Road classifications, administrative boundaries, travel and tourist information, key maps of major population centres are inserted.

- Coloured map

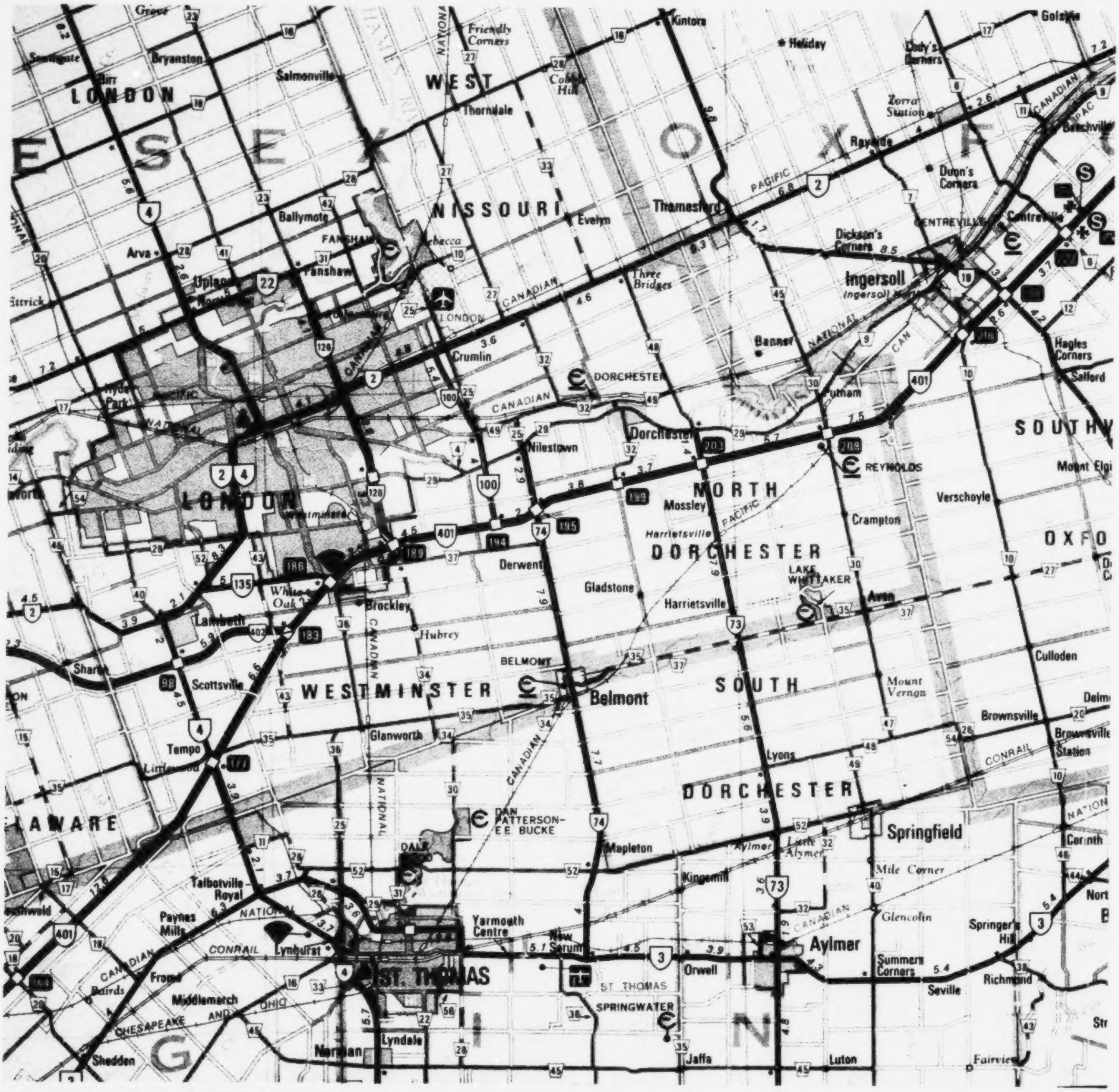
**SCALE**
1:1,600,000 (Northern Ontario)
1:800,000 (Southern Ontario)

**PUBLISHER**
Ontario Ministry of Transportation and Communications

**SOURCE**
Ontario Ministry of Transportation and Communications
1201 Wilson Avenue
East Building
Downsview, Ontario
M3M 1J8
Tel. (416) 248-3531

Ontario Ministry of Tourism and Recreation
Customer Sales and Service
77 Bloor Street West
9th Floor
Toronto, Ontario
M7A 2R9
Tel. (416) 965-4008 or (416) 965-3960

**COVERAGE**


LONDON
WEST
NISSOURI
Thorndale
Kintore
Thamesford
Ingersoll
Ballymote
Arva
Fanshawe
Crumlin
Dorchester
DORCHESTER
NORTH DORCHESTER
Mossley
Harrietsville
Gladstone
Derwent
Nilestown
Belmont
BELMONT
SOUTH DORCHESTER
WESTMINSTER
Lambeth
Scottsville
Tempo
Glanworth
Brockley
Hubrey
Lyons
Springfield
Aylmer
Mapleton
Kingsmill
Yarmouth Centre
New Sarum
ST. THOMAS
ST. THOMAS SPRINGWATER
Talbotville Royal
Paynes Mills
Lynhurst
Fruma
Middlemarch
Shedden
Norman
Lyndale
Orwell
Jaffa
Luton
Summers Corners
Seville
Richmond
Springer's Hill
Glencolin
Mile Corner
Culloden
Brownsville
Verschoyle
Crampton
Mount Vernon
Avon
LAKE WHITTAKER
REYNOLDS
Putnam
Banner
Dickson's Corners
Beachville
Centreville
Zorra Station
Dunn's Corners
Golspie
Holiday
Bryanston
Salmonville
Evelyn
Three Bridges
DAN PATTERSON-EE BUCKE
Hagles Corners
Salford
Mount Elgin
Corinth
CANADIAN
NATIONAL
PACIFIC
CONRAIL

## ONTARIO TRANSPORTATION MAP SERIES

**MAP FEATURES**
Highways, roads, kilometric distances, surfacing, railways, airports, ferry routes, parks, conservation areas, hospitals, service centres, tourist attractions, travel information centres, city and town enlargements.

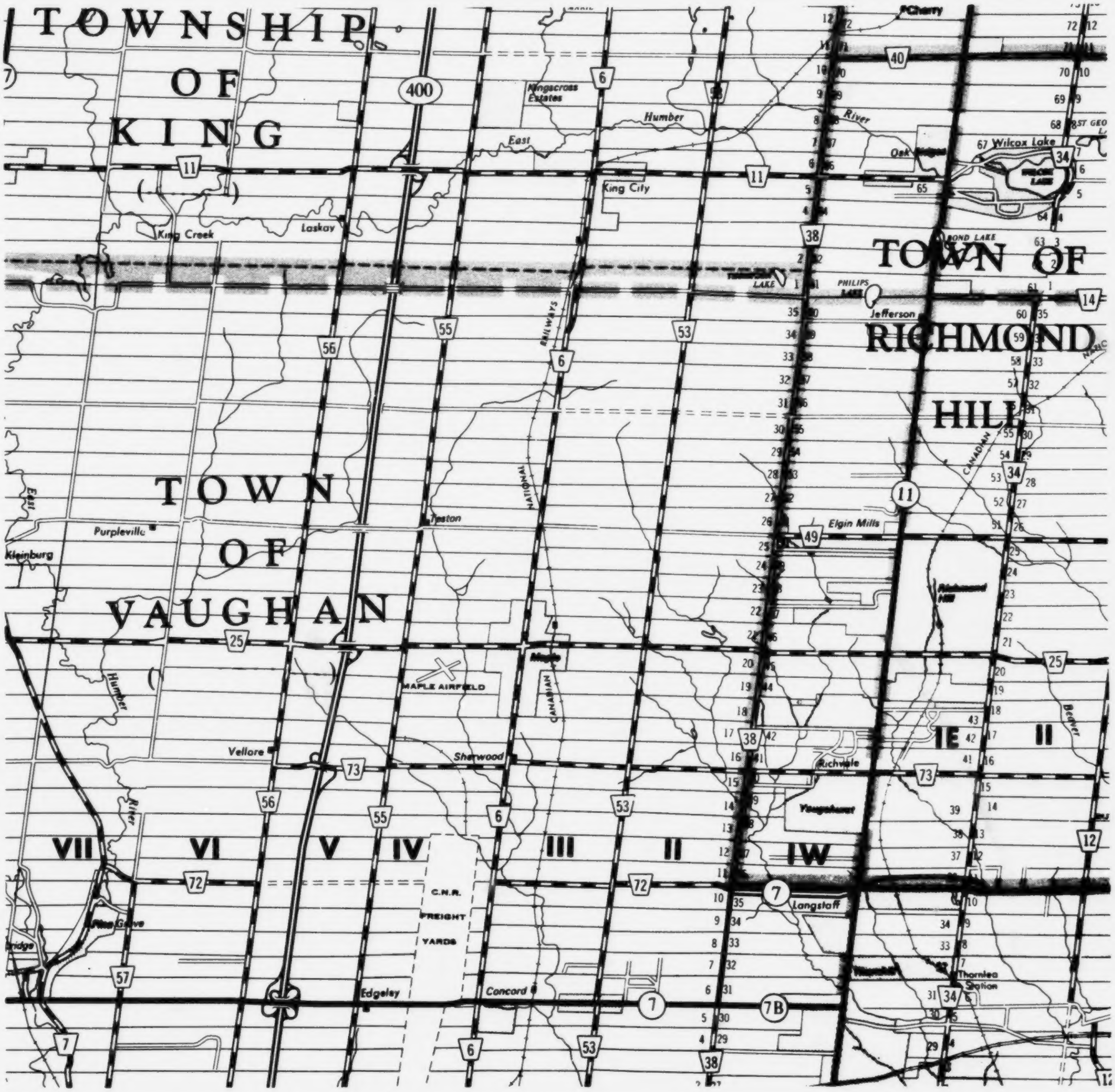
- Coloured map

**SCALE**
1:250,000
1:50,000 City and Town enlargements

**PUBLISHER**
Ontario Ministry of Transportation and Communications

**SOURCE**
Ontario Ministry of Transportation and Communications
1201 Wilson Avenue
East Building
Downsview, Ontario
M3M 1J8
Tel. (416) 248-3531

**COVERAGE**


TOWNSHIP OF KING
TOWN OF RICHMOND HILL
TOWN OF VAUGHAN
King City
King Creek
Laskay
Kingscross Estates
Humber River
East
Wilcox Lake
Oak Ridges
Philips Lake
Jefferson
Elgin Mills
Richmond Hill
Purpleville
Kleinburg
Teston
Maple
Maple Airfield
Vellore
Sherwood
Richvale
Langstaff
C.N.R. Freight Yards
Pine Grove
Edgeley
Concord
Thornlea Station
Canadian National Railways
VII
VI
V
IV
III
II
IW
IE
400
11
6
55
56
53
38
34
49
25
73
72
7
7B
57
14
12
40

## MONOCHROME MAP SERIES

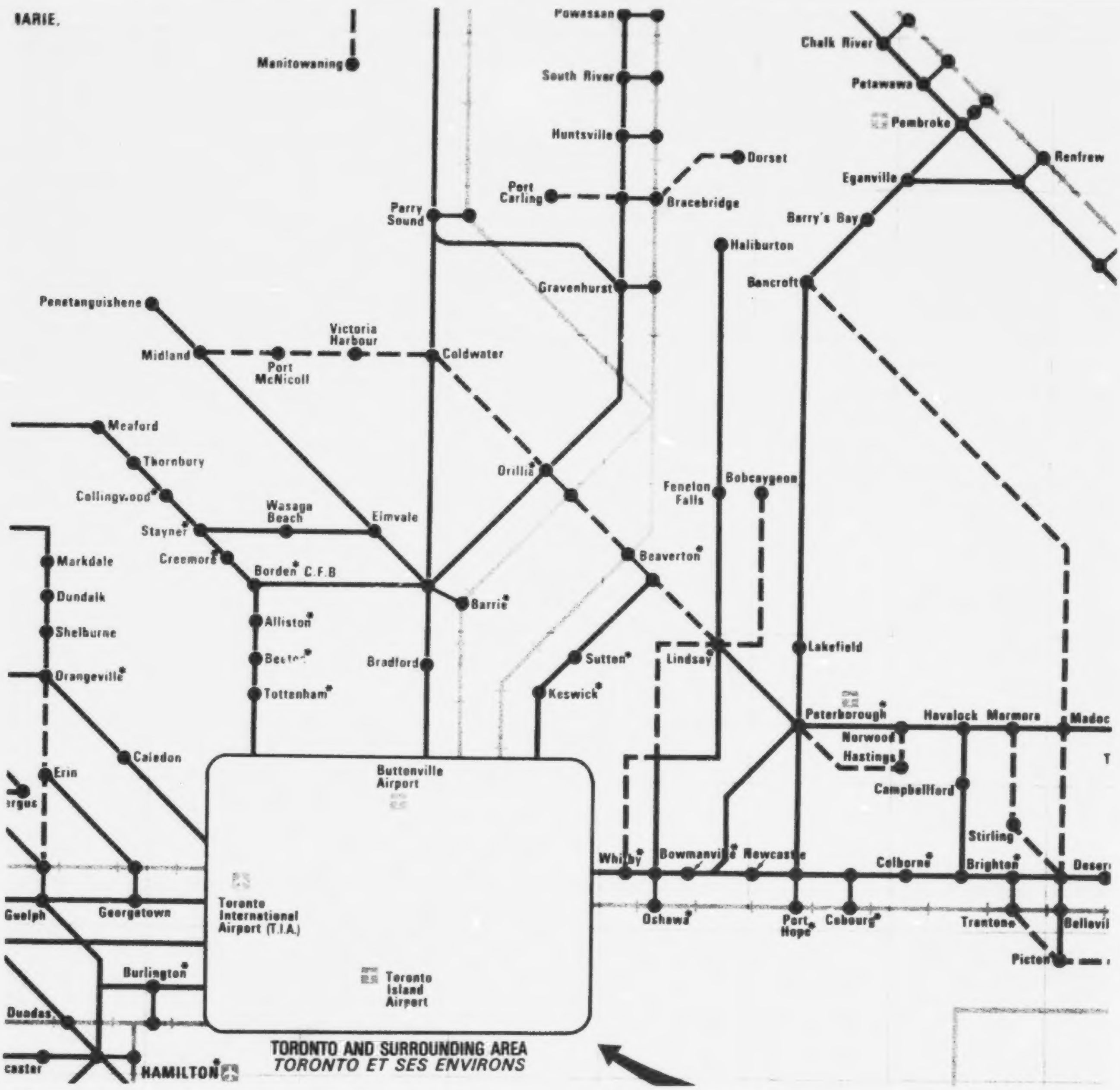
**MAP FEATURES**
Roads, railways, airports, township lots, concession lines and other administrative boundaries.

**SCALE**
1:100,000

**PUBLISHER**
Ontario Ministry of Transportation and Communications

**SOURCE**
Ontario Ministry of Transportation and Communications
1201 Wilson Avenue
East Building
Downsview, Ontario
M3M 1J8
Tel. (416) 248-3531

**COVERAGE**


ARIE,
Manitowaning
Powassan
South River
Huntsville
Port Carling
Bracebridge
Dorset
Parry Sound
Gravenhurst
Haliburton
Chalk River
Petawawa
Pembroke
Renfrew
Eganville
Barry's Bay
Bancroft
Penetanguishene
Midland
Victoria Harbour
Port McNicoll
Coldwater
Meaford
Thornbury
Collingwood
Stayner
Creemore
Wasaga Beach
Elmvale
Orillia
Fenelon Falls
Bobcaygeon
Beaverton
Markdale
Dundalk
Shelburne
Borden C.F.B
Barrie
Alliston
Beeton
Tottenham
Bradford
Sutton
Keswick
Lindsay
Lakefield
Orangeville
Peterborough
Havelock
Marmora
Madoc
Norwood
Hastings
Campbellford
Caledon
Erin
ergus
Buttonville Airport
Stirling
Whitby
Bowmanville
Newcastle
Colborne
Brighton
Deser
Guelph
Georgetown
Toronto International Airport (T.I.A.)
Oshawa
Port Hope
Cobourg
Trenton
Bellevil
Picton
Burlington
Toronto Island Airport
Dundas
caster
HAMILTON
TORONTO AND SURROUNDING AREA
TORONTO ET SES ENVIRONS

## ONTARIO INTERCITY GUIDE TO PUBLIC TRANSPORTATION

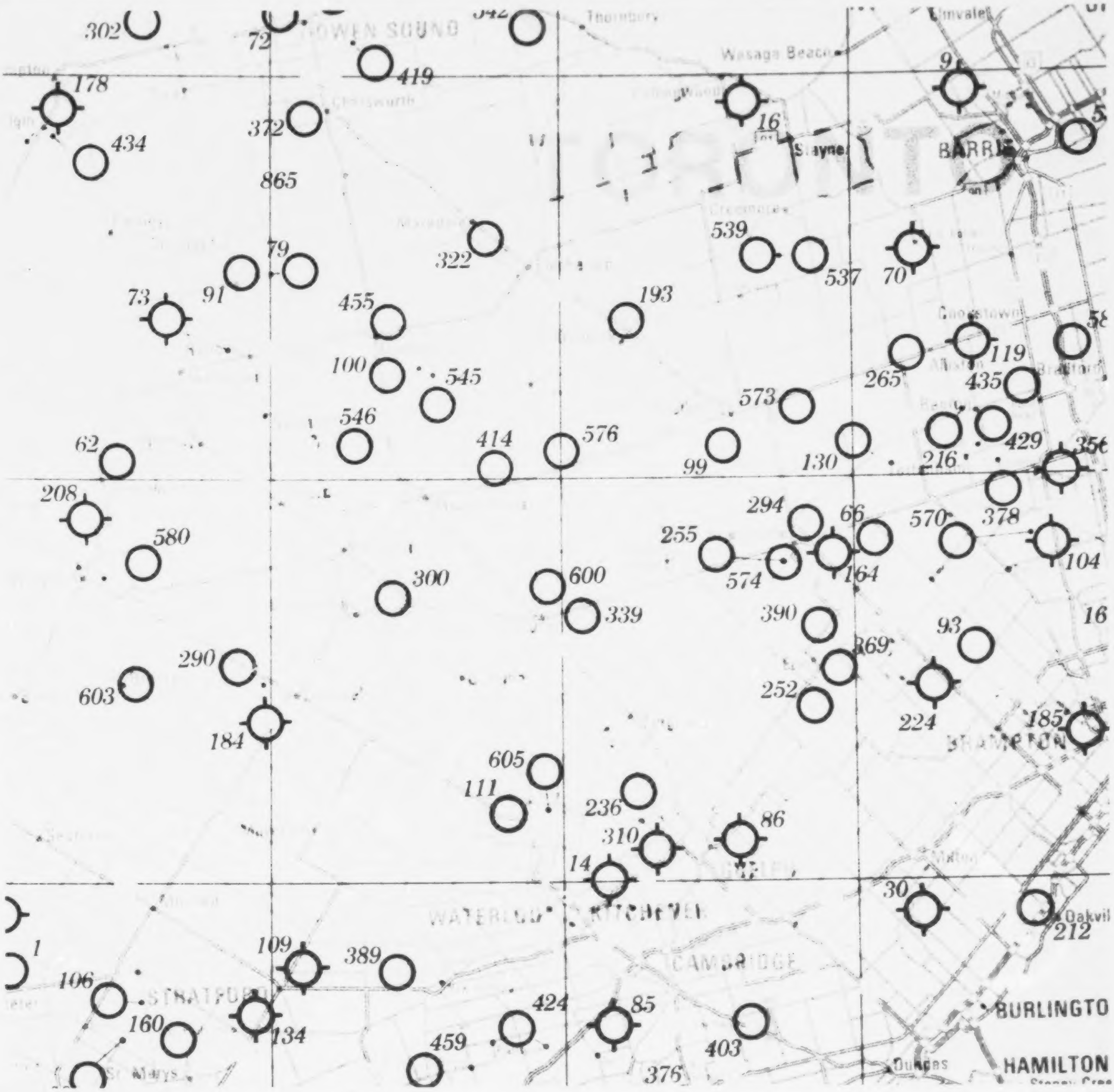
**MAP FEATURES**
Major transportation centres, communities with intercity service, airports, daily scheduled air, rail and bus service, non-daily air, rail, bus service and communities with multiple transportation services.
- Coloured map

**SCALE**
Schematic

**PUBLISHER**
Ontario Ministry of Transportation and Communications

**SOURCE**
Ontario Ministry of Transportation and Communications
1201 Wilson Avenue
East Building
Downsview, Ontario
M3M 1J8
Tel. (416) 248-3531

**COVERAGE**


OWEN SOUND
Thornbury
Wasaga Beach
Elmvale
BARRIE
Stayner
Creemore
Chatsworth
Markdale
Cookstown
Alliston
Bradford
Bolton
BRAMPTON
Milton
Oakville
BURLINGTON
HAMILTON
Dundas
GUELPH
WATERLOO
KITCHENER
CAMBRIDGE
STRATFORD
St. Marys
Seaforth
Milverton
302
72
342
419
178
9
16
372
434
865
539
537
70
322
79
91
73
455
193
100
545
119
265
435
573
546
414
576
99
130
216
429
62
208
294
66
570
378
104
255
574
164
580
300
600
339
390
93
290
269
603
252
224
185
184
605
111
236
86
310
14
30
212
109
389
1
106
424
85
160
134
403
459
376

## ONTARIO AIRPORT FACILITIES

**MAP FEATURES**
Land and Seaplane bases, with and without services, airbase site numbers, roads, cities, towns, villages, federal and provincial parks, railways, boundaries and remote northern long distance telephone network. For navigational purposes, use official aeronautical charts.

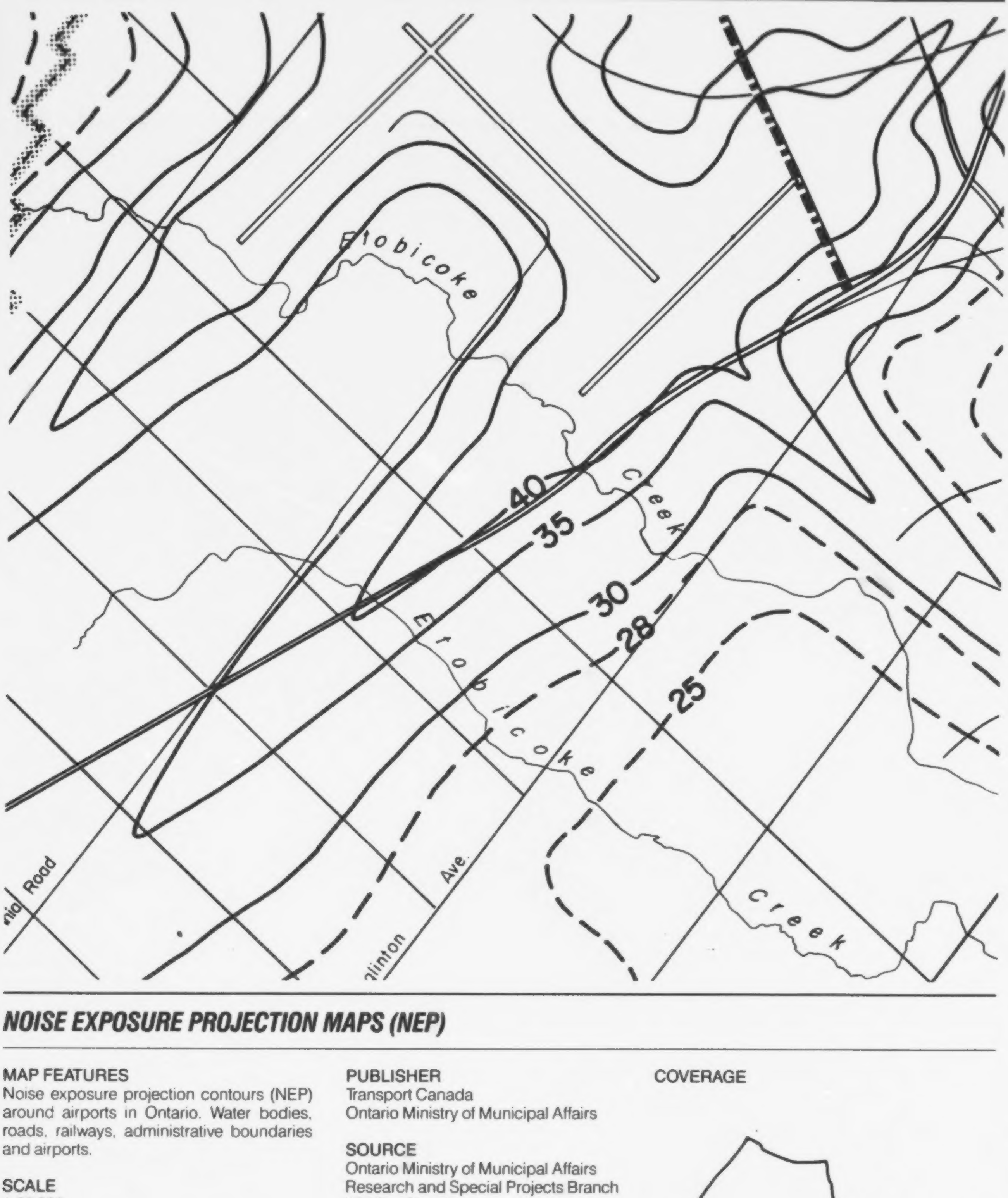
- Coloured map

**SCALE**
1:1,600,000 (Northern Ontario)
1:800,000 (Southern Ontario)

**PUBLISHER**
Ontario Ministry of Transportation and Communications

**SOURCE**
Ontario Ministry of Transportation and Communications
1201 Wilson Avenue
East Building
Downsview, Ontario
M3M 1J8
Tel. (416) 248-3531

**COVERAGE**


Etobicoke
Creek
40
35
30
28
25
Etobicoke
Creek
Road
Ave.
linton

## *NOISE EXPOSURE PROJECTION MAPS (NEP)*

**MAP FEATURES**
Noise exposure projection contours (NEP) around airports in Ontario. Water bodies, roads, railways, administrative boundaries and airports.

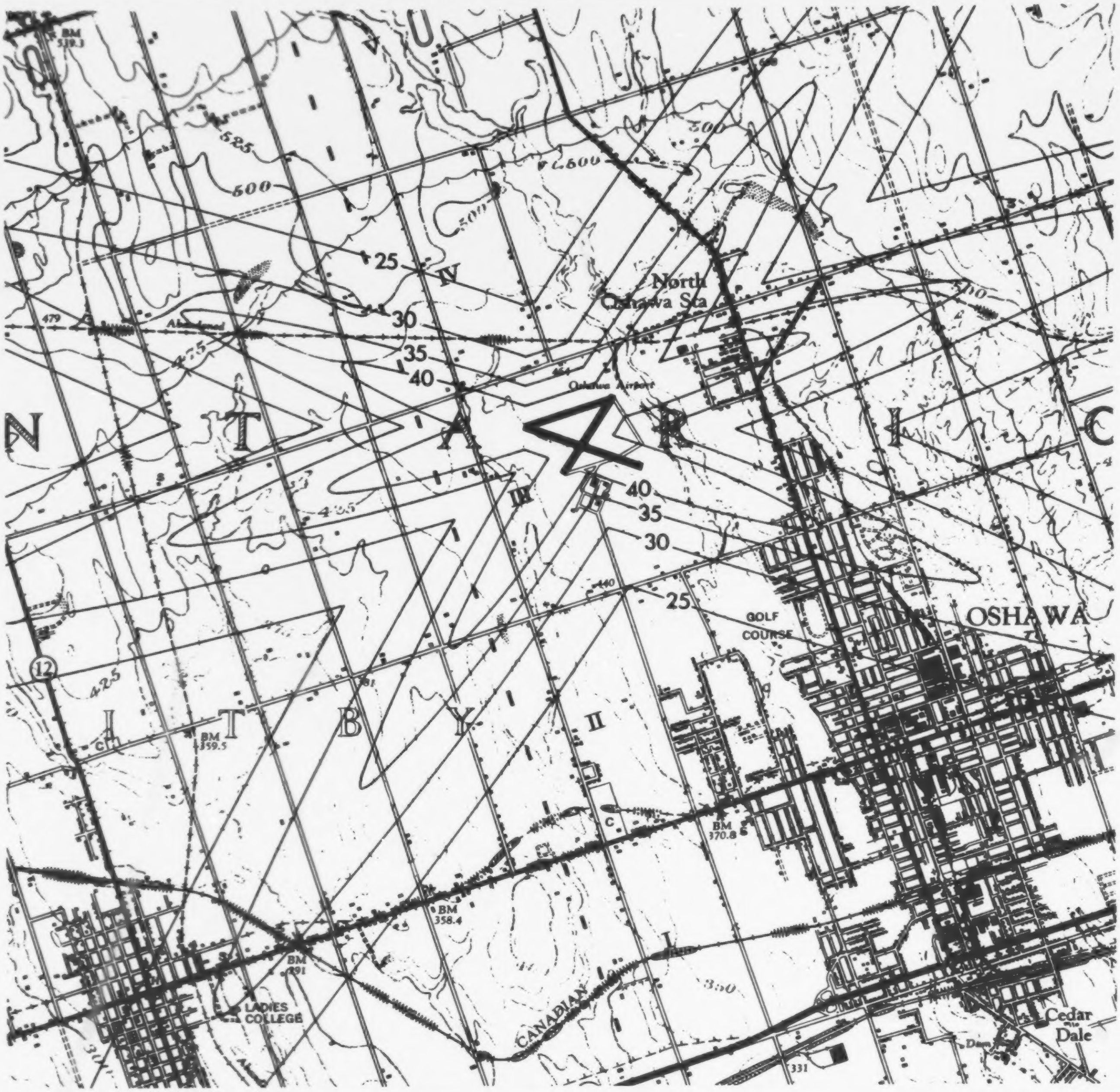
**SCALE**
1:50,000

**PUBLISHER**
Transport Canada
Ontario Ministry of Municipal Affairs

**SOURCE**
Ontario Ministry of Municipal Affairs
Research and Special Projects Branch
777 Bay Street
13th Floor
Toronto, Ontario
M5G 2E5
Tel. (416) 585-6257

**COVERAGE**

Oshawa
Ottawa
Toronto (Pearson)


25
30
35
40
North Oshawa Sta
Oshawa Airport
N
T
A
R
I
O
I
T
B
Y
OSHAWA
GOLF COURSE
LADIES COLLEGE
CANADIAN
Cedar Dale
BM 370.8
BM 358.4
BM 359.5
BM 391
12
600
525
500
425
440
350
331

## NOISE EXPOSURE FORECAST MAPS (NEF)

**MAP FEATURES**
Noise exposure forecast contours around airports in the province. NEF contours are superimposed on National Topographic System maps, therefore, relief, elevation, water bodies, roads, airports, canals, railways and centres of population are shown.

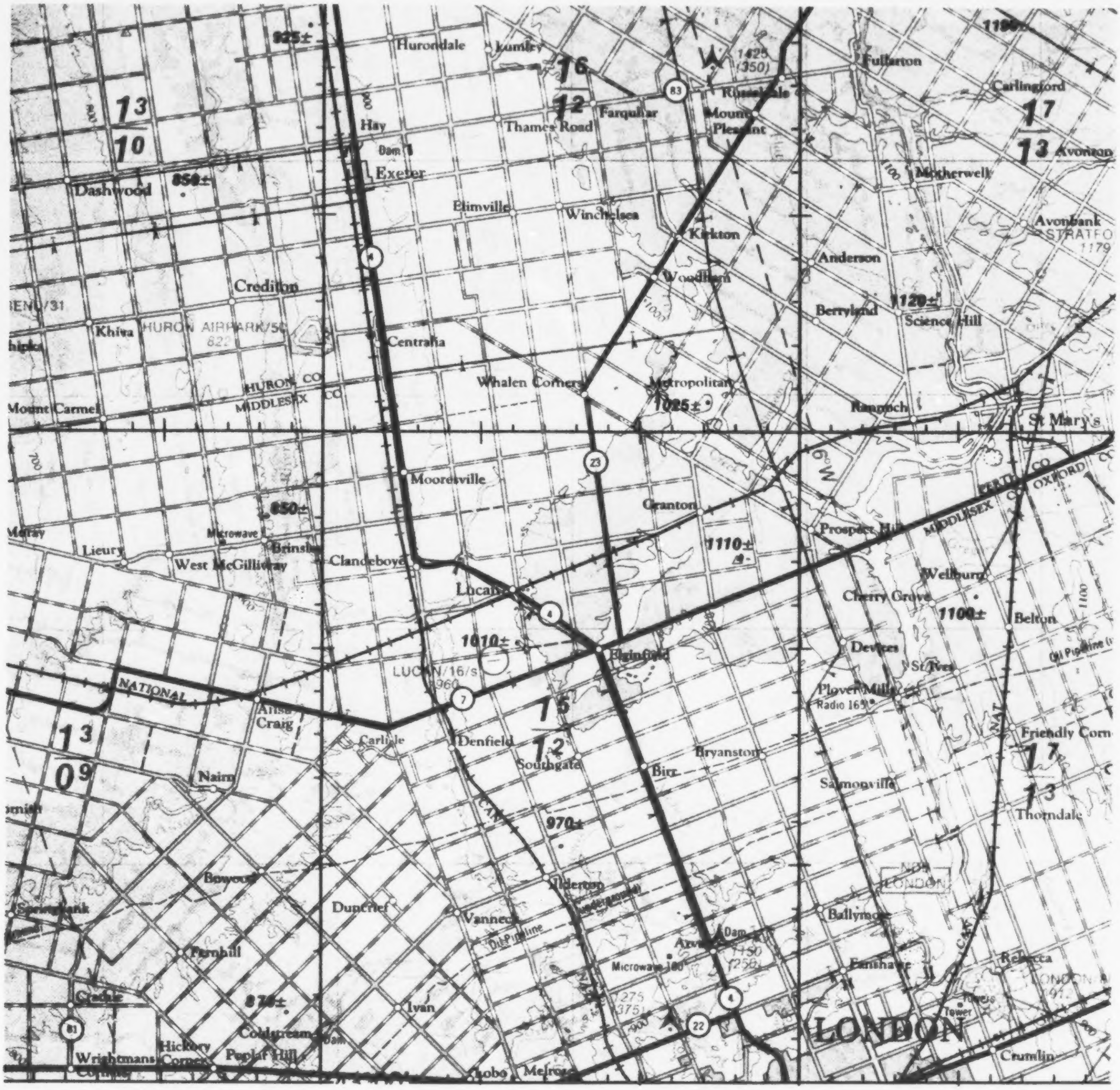
**SCALE**
1:50,000

**PUBLISHER**
Transport Canada
Canada Mortgage and Housing Corporation

**SOURCE**
Canada Mortgage and Housing Corporation
Professional Standards Division
682 Montreal Road
Ottawa, Ontario
K1A 0P7
Tel. (613) 748-2289

**COVERAGE**

- Brantford
- Buttonville
- Carp
- Hamilton
- Kingston
- London
- Maple
- North Bay
- Ottawa
- Pembroke
- Sarnia
- Sudbury
- Thunder Bay
- Toronto (Pearson)
- Toronto Island
- C.F.B. Trenton
- Waterloo-Wellington
- Wiarton
- Windsor


Hurondale
Kumley
Fullarton
Carlingford
Hay
Thames Road
Farquhar
Russeldale
Mount Pleasant
Dashwood
Exeter
Motherwell
Avonton
Elimville
Winchelsea
Kirkton
Avonbank
STRATFORD
Anderson
Crediton
Woodham
Berryland
Science Hill
Khiva
HURON AIRPARK
Centralia
Whalen Corners
Metropolitan
Mount Carmel
Rannoch
St Mary's
HURON CO
MIDDLESEX CO
OXFORD CO
Mooresville
Granton
Prospect Hill
Lieury
West McGillivray
Brinsley
Clandeboye
Lucan
Wellburn
Cherry Grove
Belton
Elginfield
Devizes
St Ives
LUCAN
Plover Mills
Ailsa Craig
Carlisle
Denfield
Southgate
Bryanston
Friendly Corners
Nairn
Birr
Salmonville
Thorndale
Bowood
Ilderton
Dunerief
Vanneck
Ballymote
Fernhill
Arva
Fanshawe
Rebecca
Ivan
Coldstream
Poplar Hill
Hickory Corners
Wrightmans Corners
Lobo
Melrose
LONDON
Crumlin
NATIONAL

## JOINT OPERATIONS GRAPHIC (AIR) MAPS

**MAP FEATURES**
Relief depiction by layer tints and hill shading, roads, railroads, boundaries of population centres, vegetation and hydrography. The main purpose of these maps is for military use.

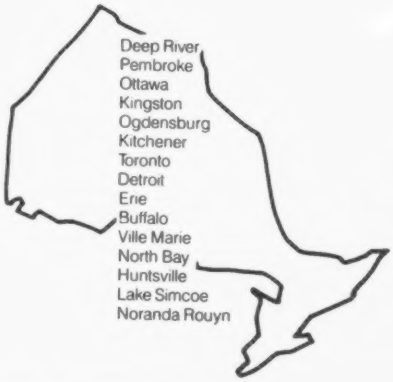
- Coloured map

**SCALE**
1:250,000

**PUBLISHER**
Department of Energy, Mines and Resources

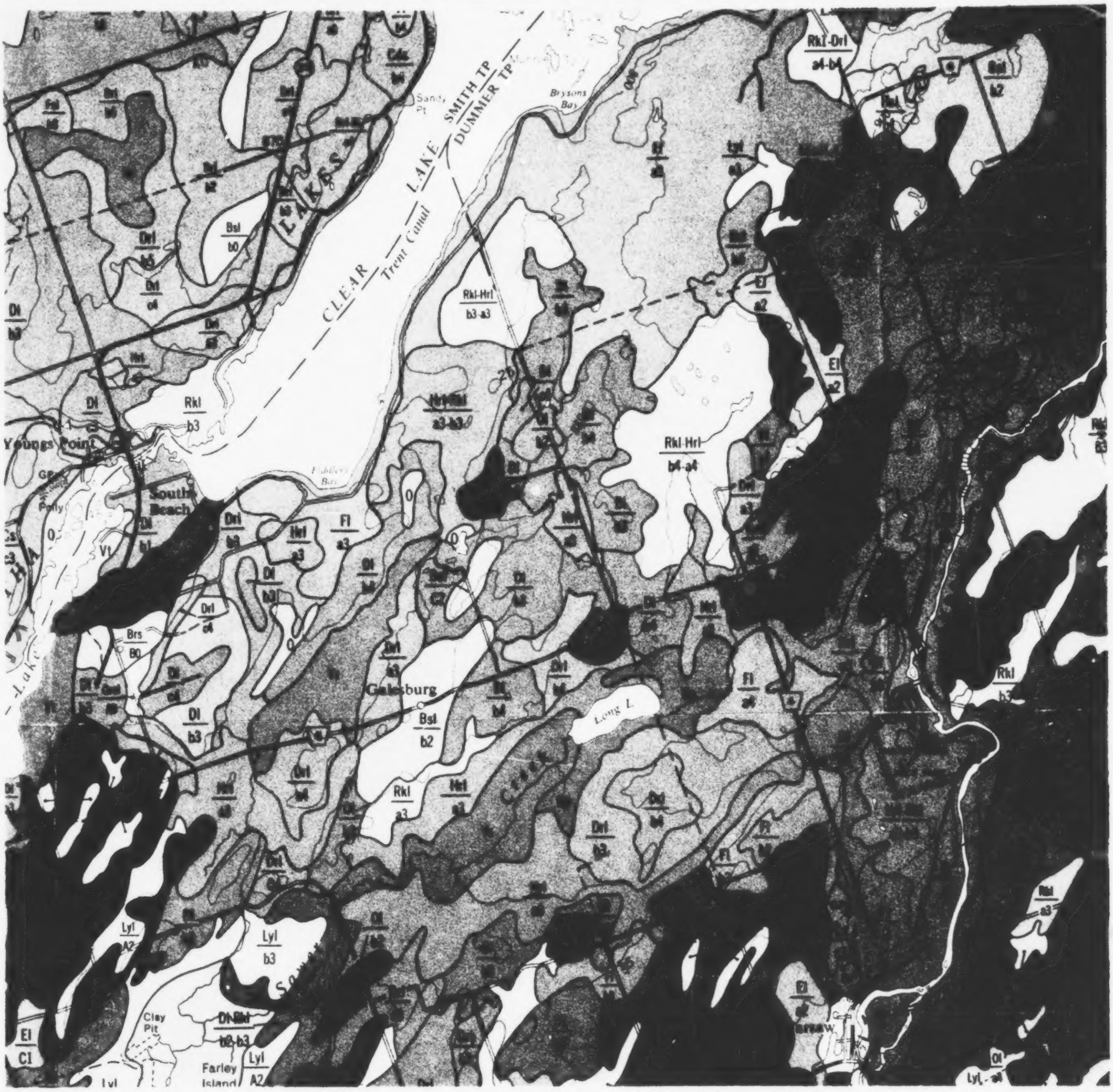
**SOURCE**
Department of Energy, Mines and Resources
615 Booth Street
Ottawa, Ontario
K1A 0E9
Tel. (613) 995-4341

**COVERAGE**


Deep River
Pembroke
Ottawa
Kingston
Ogdensburg
Kitchener
Toronto
Detroit
Erie
Buffalo
Ville Marie
North Bay
Huntsville
Lake Simcoe
Noranda Rouyn

# NATURAL RESOURCES

| title | scale | page |
|---|---|---|
| Soil Maps | 1:63,360 | 67 |
| Agricultural Land Use | 1:50,000 | 68 |
| Land Capability for Forestry (Canada Land Inventory) | 1:250,000 | 69 |
| Land Capability for Agriculture (Canada Land Inventory) | 1:250,000 | 70 |
| Land Capability for Wildlife – Ungulates (Canada Land Inventory) | 1:250,000 | 71 |
| Land Capability for Wildlife – Waterfowl (Canada Land Inventory) | 1:250,000 | 72 |
| Land Classification (Ontario Land Inventory) | 1:250,000 | 73 |
| Timber Use Capability (Ontario Land Inventory) | 1:250,000 | 74 |
| Forest Resource Maps | 1:15,840<br>1:50,000 | 75 |


CLEAR LAKE
Trent Canal
SMITH TP
DUMMER TP
Sandy Pt
Brysons Bay
Youngs Point
South Beach
Galesburg
Long L.
Creek
Clay Pit
Farley Island
Rkl-Hrl
b3-a3
Rkl-Hrl
b4-a4
Rkl-Drl
a4-b4
Rkl
b3
Bsl
b0
Bsl
b2
Brs
B0
Lyl
A2
Lyl
b3
El
Cl
El
a2
Fl
a3
Dl
b3
Drl
b3

## SOIL MAPS

**MAP FEATURES**
Soil classifications, roads, boundaries, contours, drainage classes, topographic classes, stoniness and rock classes.

- Coloured map

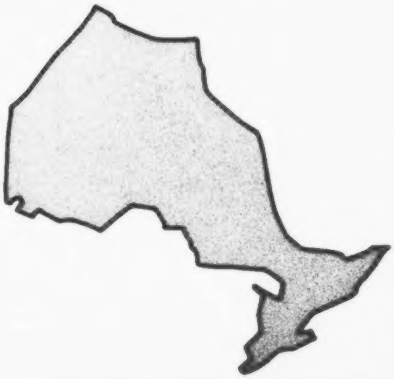
**SCALE**
1:63,360

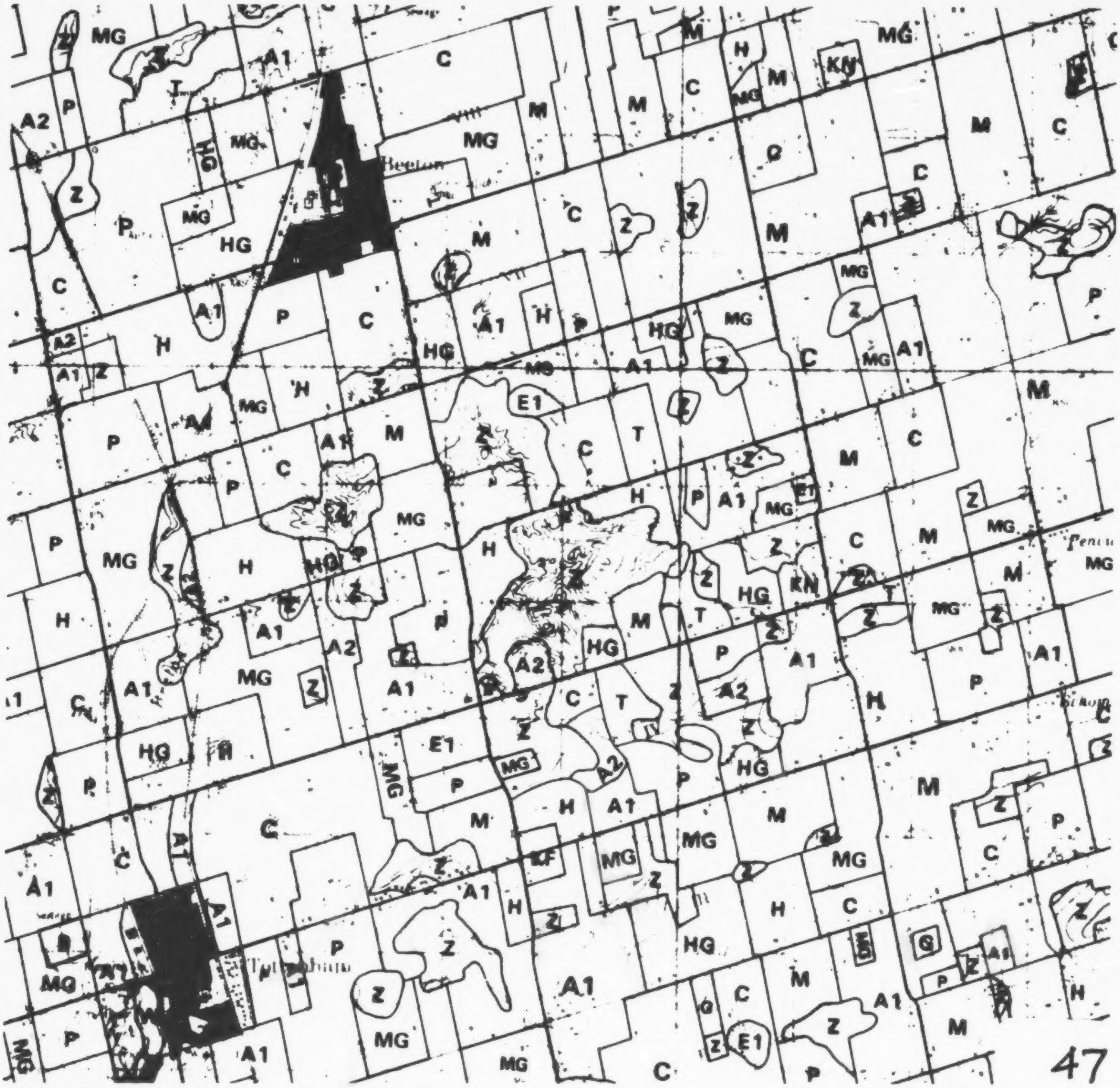
**PUBLISHER**
Ontario Ministry of Agriculture and Food

**SOURCE**
Ontario Ministry of Agriculture and Food
Soils and Water Management Branch
801 Bay Street
Toronto, Ontario
M7A 2B2
Tel. (416) 965-9921

Ontario Institute of Pedology
Guelph Agriculture Centre
P.O. Box 1030
Guelph, Ontario
N1H 6N1
Tel. (519) 823-5700

**COVERAGE**





## *AGRICULTURAL LAND USE*

**MAP FEATURES**

Field crop systems: corn, hay, grain, pasture, mixed, grazing and continuous. Non-system uses: idle agricultural land, woodland, reforestation, swamps, bogs, extraction pits and quarries, sod farms, recreation and water.

**SCALE**

1:50,000

**PUBLISHER**

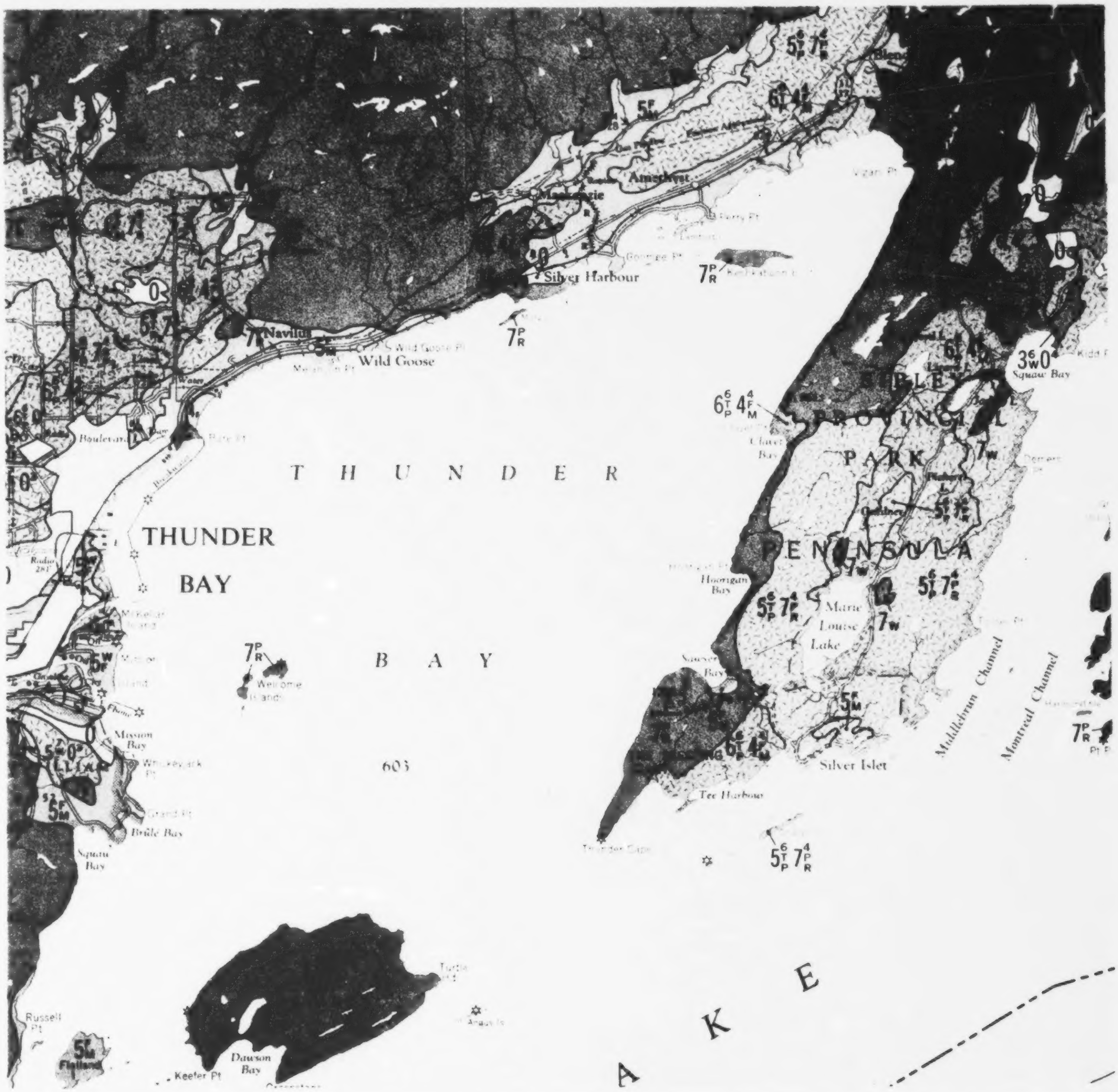
Ontario Ministry of Agriculture and Food

**SOURCE**

Ontario Ministry of Agriculture and Food
Soils and Water Management Branch
801 Bay Street
Toronto, Ontario
M7A 2B2
Tel. (416) 965-9921

**COVERAGE**

* For detailed information on coverage consult the *Agricultural Resource Inventory*, Ontario Ministry of Agriculture and Food.
(416) 965-9921


THUNDER BAY
T H U N D E R B A Y
SIBLEY PROVINCIAL PARK
PENINSULA
Amethyst
Mackenzie
Silver Harbour
Navilus
Wild Goose
Squaw Bay
Clavet Bay
Hoorigan Bay
Marie Louise Lake
Sawyer Bay
Silver Islet
Tee Harbour
Thunder Cape
Middlebrun Channel
Montreal Channel
Welcome Islands
Mission Bay
Mission Island
McKellar Island
Brûlé Bay
Squaw Bay
Russell Pt
Flatland
Keefer Pt
Dawson Bay
L A K E
603

## LAND CAPABILITY FOR FORESTRY (CANADA LAND INVENTORY)

**MAP FEATURES**
All mineral and organic soils are grouped into one of seven classes based on their inherent ability to grow commercial timber. Productivity of species is also shown.

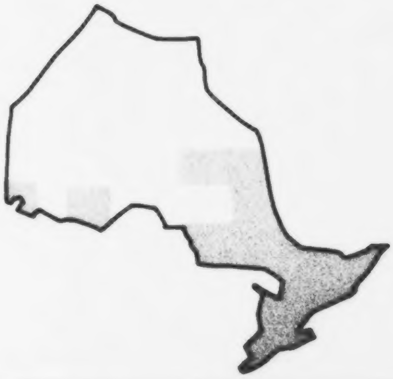
- Coloured map

**SCALE**
1:250,000

**PUBLISHER**
Department of Regional and Economic Expansion

**SOURCE**
Department of Energy, Mines and Resources
Canada Map Office
615 Booth Street
Ottawa, Ontario
K1A 0E9
Tel. (613) 998-3865

**COVERAGE**



THUNDER
BAY
THE SLEEPING GIANT
ISLAND
L A K E

## LAND CAPABILITY FOR AGRICULTURE (CANADA LAND INVENTORY)

**MAP FEATURES**
Mineral soils are grouped into 7 classes based on soil survey information. Classes are based on intensity and limitations for agriculture. Organic soils are not placed in the capability classes.

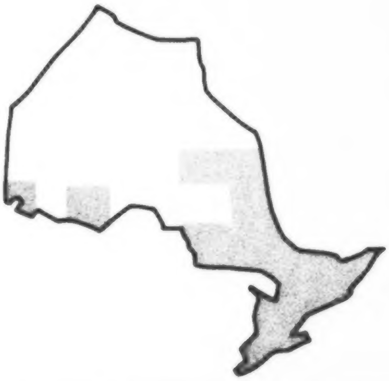
- Coloured map

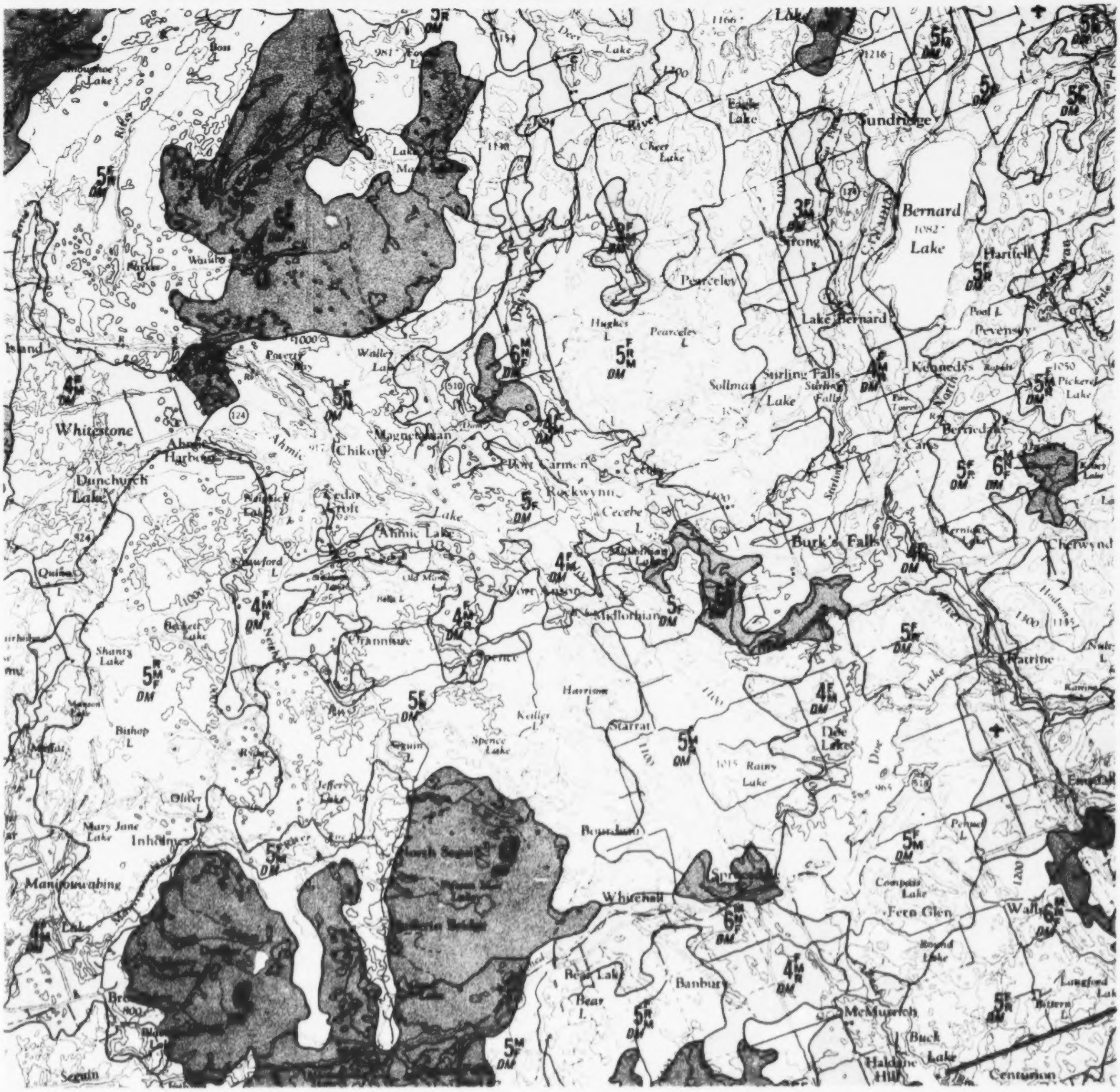
**SCALE**
1:250,000

**PUBLISHER**
Department of Regional and Economic Expansion

**SOURCE**
Department of Energy, Mines and Resources
Canada Map Office
615 Booth Street
Ottawa, Ontario
K1A 0E9
Tel. (613) 998-3865

**COVERAGE**





## LAND CAPABILITY FOR WILDLIFE – UNGULATES (CANADA LAND INVENTORY)

**MAP FEATURES**
Land is classified into 7 classes based on the physiographic characteristics important to wild ungulates. Vegetation, climate and ecology are considered.

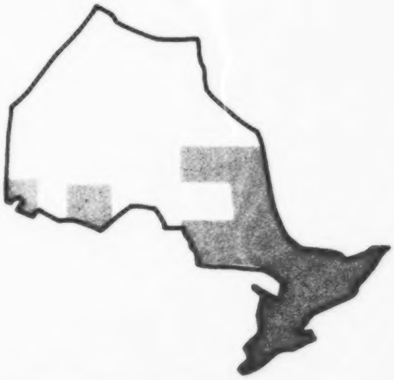
- Coloured map

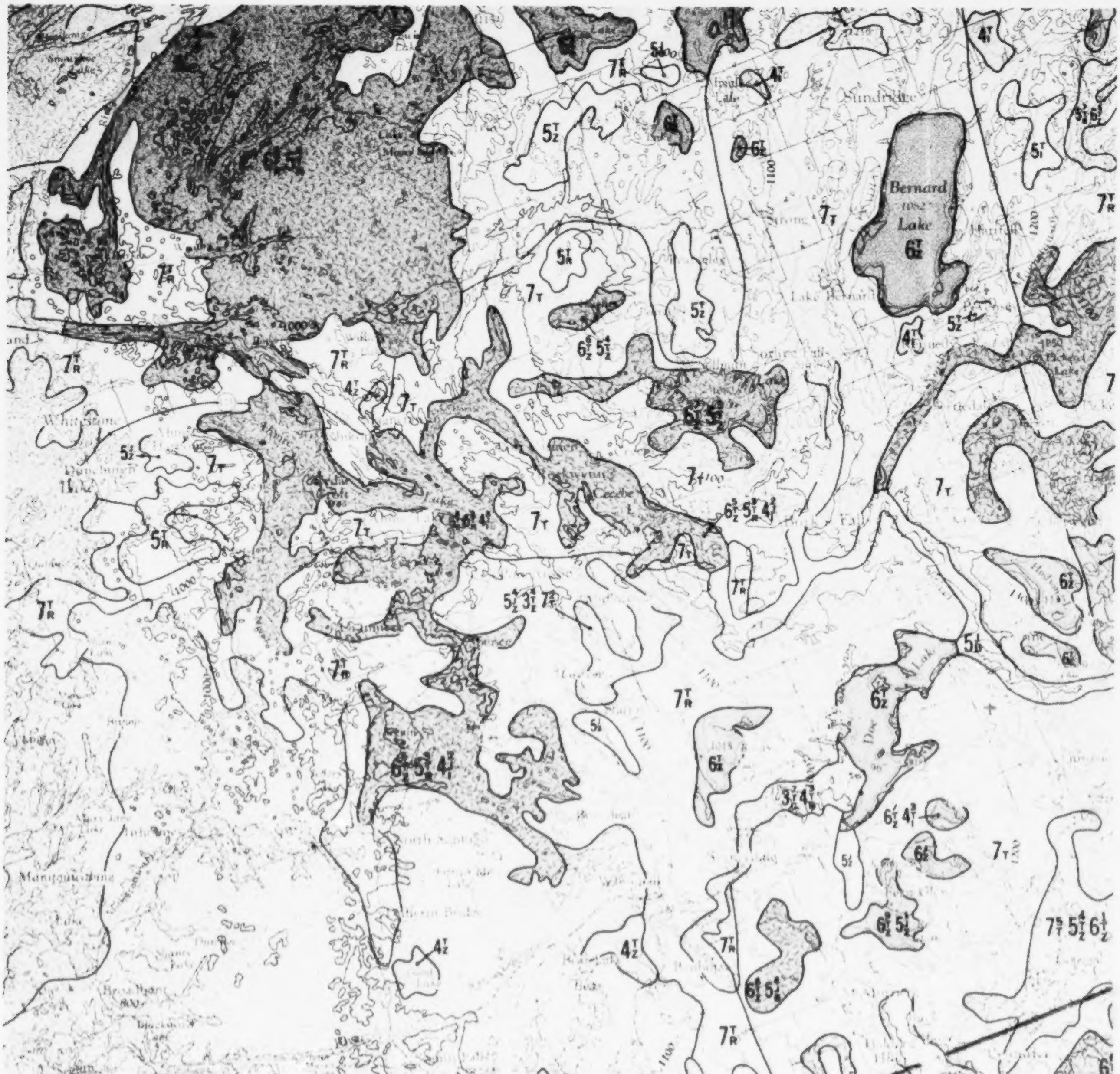
**SCALE**
1:250,000

**PUBLISHER**
Department of Regional Economic Expansion (DREE)

**SOURCE**
Department of Energy, Mines and Resources
Canada Map Office
615 Booth Street
Ottawa, Ontario
K1A 0E9
Tel. (613) 998-3865

**COVERAGE**




Bernard
Lake
Sundridge
Whitestone
Doe
Lake Bernard

## LAND CAPABILITY FOR WILDLIFE – WATERFOWL (CANADA LAND INVENTORY)

**MAP FEATURES**
Land is classified on the basis of physiographic characteristics important to waterfowl populations, such as vegetation, climate and ecology. Seven classes exist.

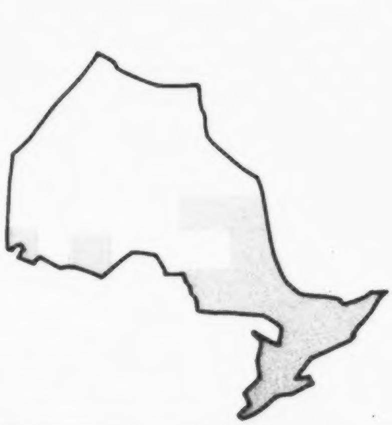
- Coloured map

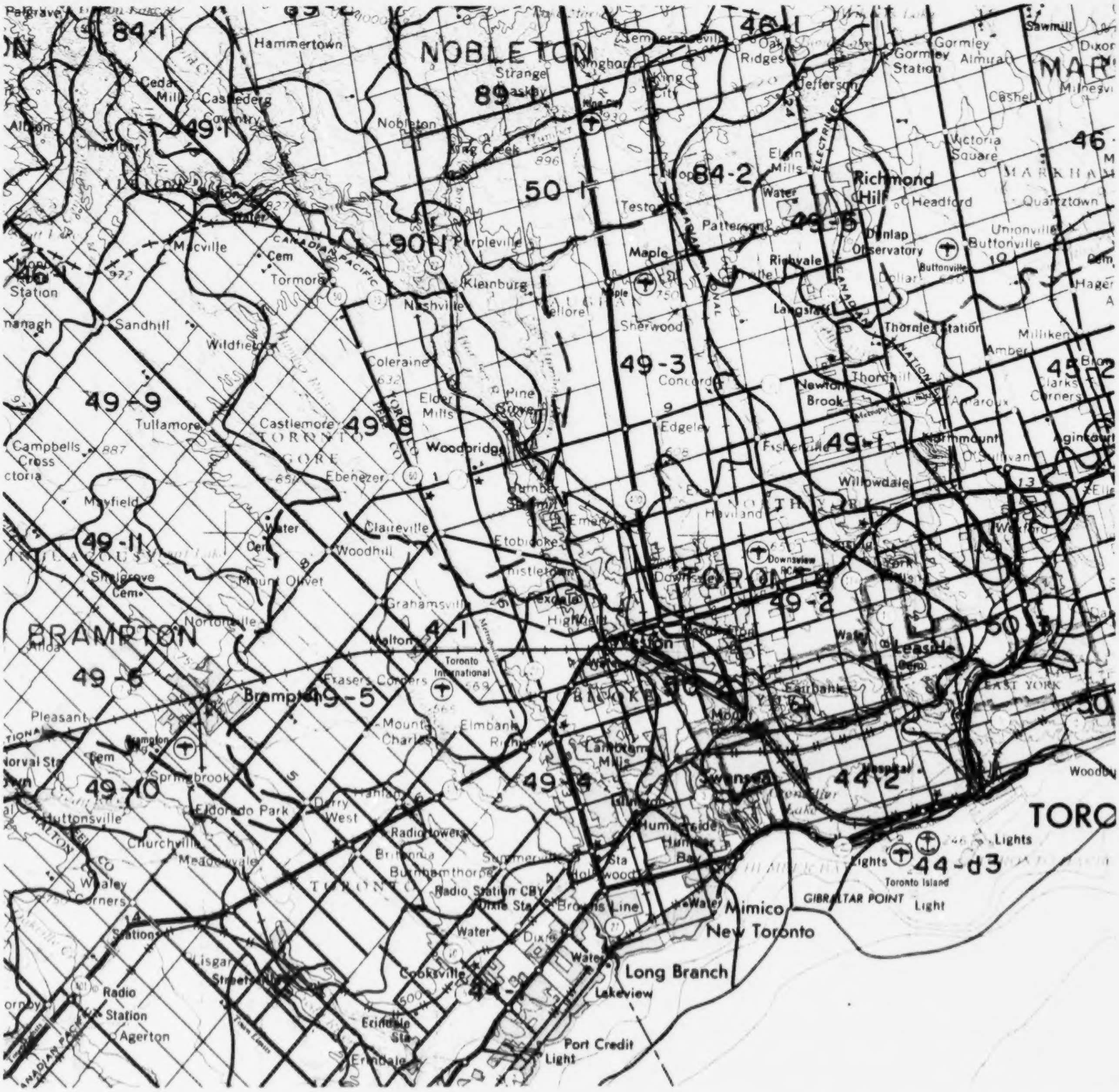
**SCALE**
1:250,000

**PUBLISHER**
Environment Canada

**SOURCE**
Department of Energy, Mines and Resources
Canada Map Office
615 Booth Street
Ottawa, Ontario
K1A 0E9
Tel. (613) 998-3865

**COVERAGE**





## LAND CLASSIFICATION (ONTARIO LAND INVENTORY)

**MAP FEATURES**
Physiographic site classification, soil texture and depth. Roads, marshes, swamps, navigable canals or streams, population centres, railroads, boundaries, and landmarks.
- Coloured map

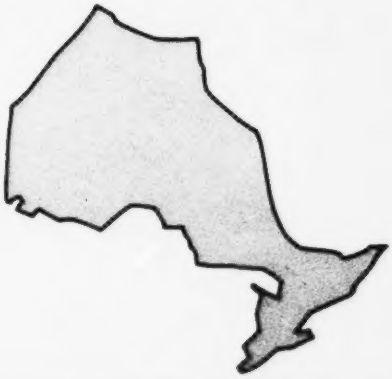
**SCALE**
1:250,000

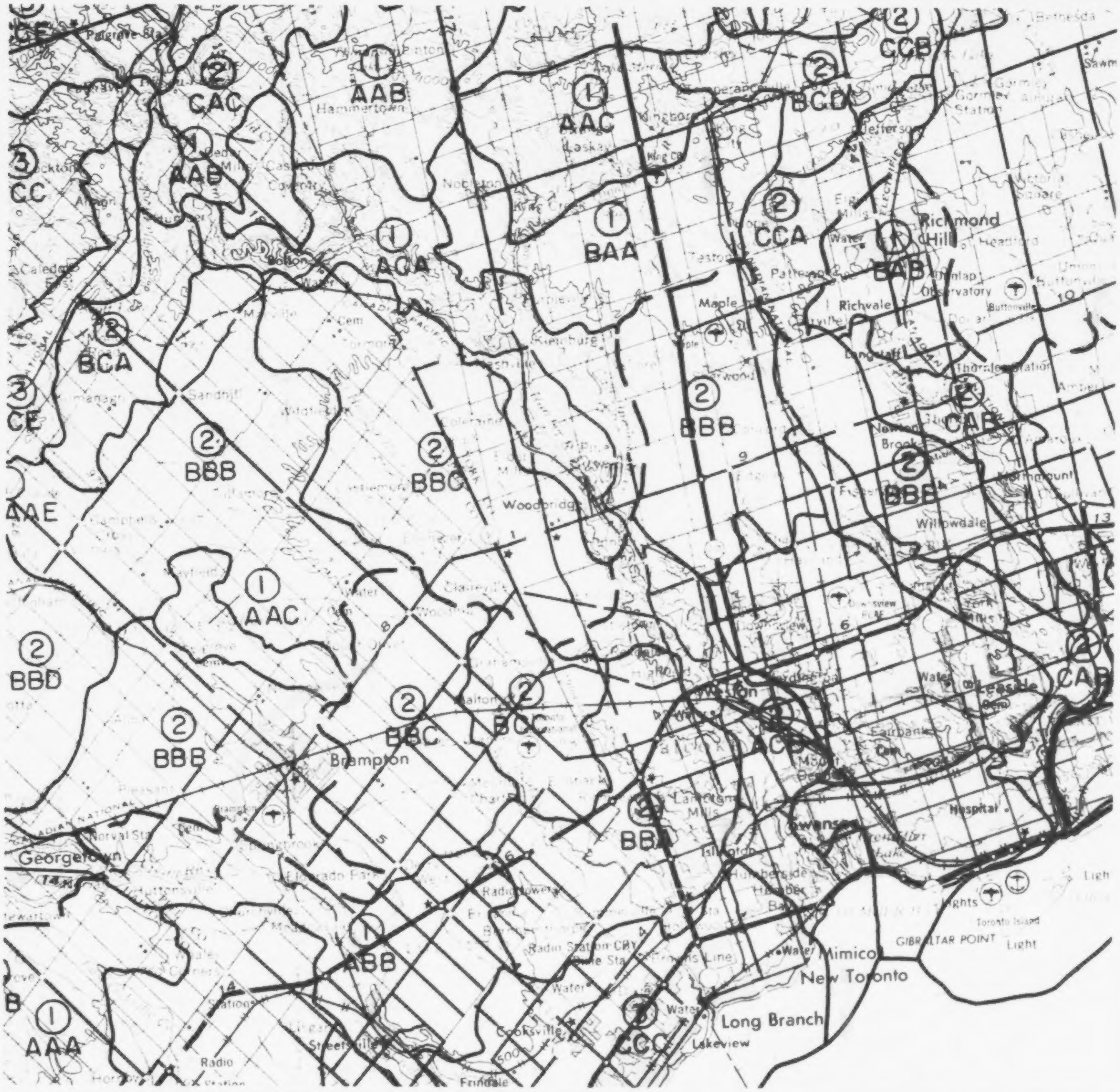
**PUBLISHER**
Ontario Ministry of Natural Resources

**SOURCE**
Ontario Ministry of Natural Resources
Ontario Centre for Remote Sensing
880 Bay Street
3rd Floor
Toronto, Ontario
M5S 1Z8
Tel. (416) 965-8411

Department of Energy, Mines and Resources
Canada Map Office
615 Booth Street
Ottawa, Ontario
K1A 0E9
Tel. (613) 998-3865

**COVERAGE**





## TIMBER USE CAPABILITY (ONTARIO LAND INVENTORY)

**MAP FEATURES**
Population centres, railroads, boundaries, elevations, airports, powerlines, woods, roads, marshes, swamps, trails, streams and canals. Timber use capability ratings indicate the potential of land to grow trees.

- Coloured map

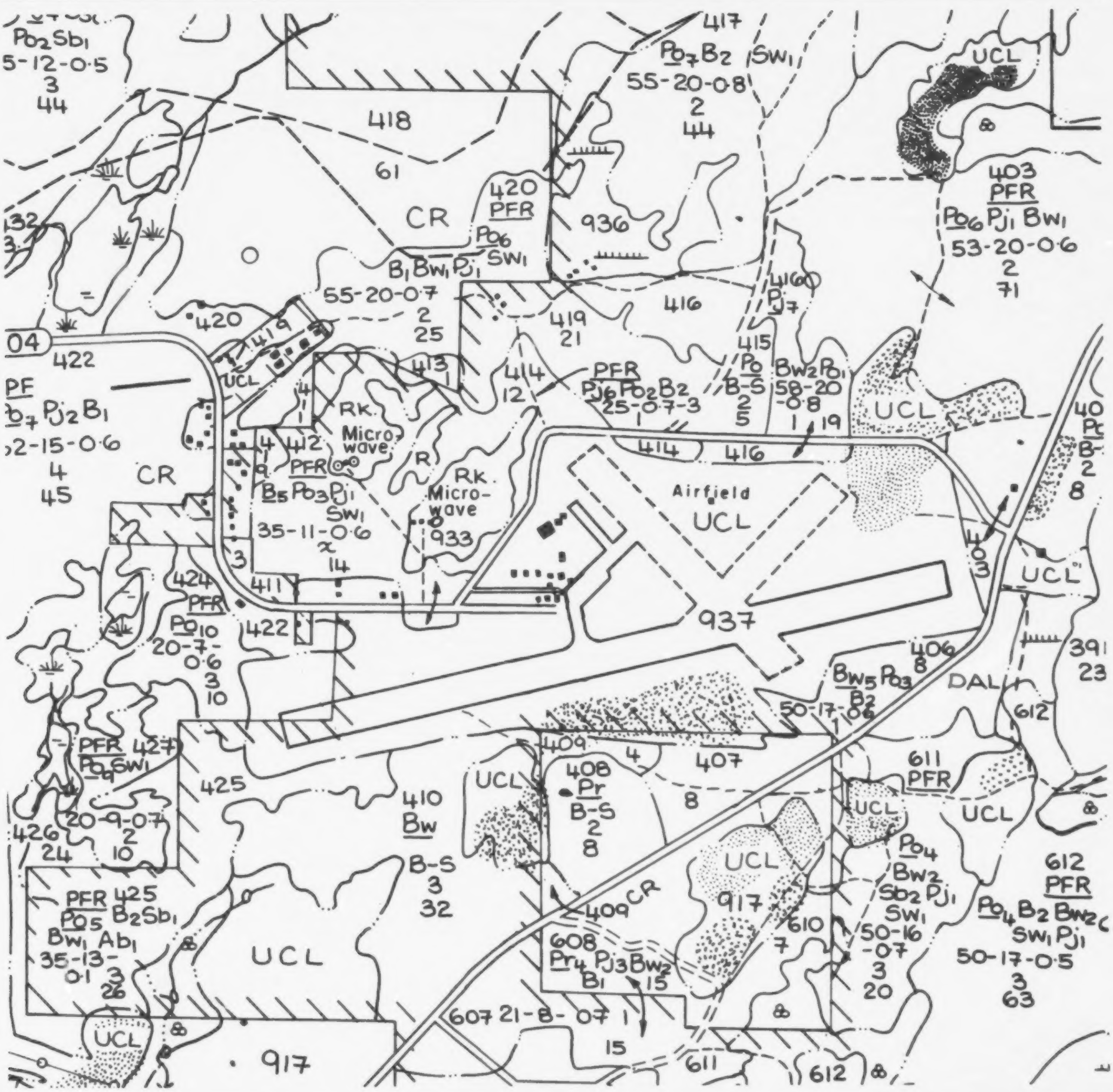
**SCALE**
1:250,000

**PUBLISHER**
Ontario Ministry of Natural Resources

**SOURCE**
Ontario Ministry of Natural Resources
Ontario Centre for Remote Sensing
880 Bay Street
Toronto, Ontario
M5S 1Z8
Tel. (416) 965-8411

Department of Energy, Mines and Resources
Canada Map Office
615 Booth Street
Ottawa, Ontario
K1A 0E9
Tel. (613) 998-3865

**COVERAGE**


Po2 Sb1
5-12-0·5
3
44
417
Po7 B2
Sw1
55-20-0·8
2
44
UCL
418
61
CR
420
PFR
Po6
Sw1
B1 Bw1 Pj1
55-20-0·7
2
25
936
403
PFR
Po6 Pj1 Bw1
53-20-0·6
2
71
416
416
Pj7
419
21
420
04
422
419
UCL
413
414
12
PFR
Pj6 Po2 B2
25-0·7-3
1
415
Po
B-S
2
5
Bw2 Po1
58-20
-0·8
1
19
UCL
PF
Po7 Pj2 B1
52-15-0·6
4
45
CR
Rk.
Micro-
wave
412
PFR
B5 Po3 Pj1
Sw1
35-11-0·6
x
14
R
Rk.
Micro-
wave
933
414
416
Airfield
UCL
424
PFR
Po10
20-7-
0·6
3
10
411
422
937
406
8
Bw5 Po3
B2
50-17-0·6
1
DAL
391
23
612
PFR
Po9 Sw1
427
425
410
Bw
B-S
3
32
409
408
Pr
B-S
2
8
4
407
8
UCL
UCL
917
UCL
611
PFR
UCL
426
24
20-9-0·7
2
10
PFR
Po5
425
B2 Sb1
Bw1 Ab1
35-13-
0·1
3
26
UCL
409
CR
608
Pr4 Pj3 Bw2
B1
15
610
7
Po4
Bw2
Sb2 Pj1
Sw1
50-16
-0·7
3
20
612
PFR
Po4 B2 Bw2
Sw1 Pj1
50-17-0·5
3
63
UCL
917
607
21-8-07
1
15
611
612

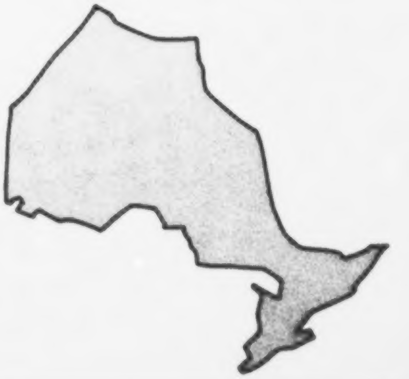
## FOREST STAND MAP (FOREST RESOURCE INVENTORY)

**MAP FEATURES**
Forest area in hectares. Age, stock and species composition of trees. Roads, railroads, airports, pipelines, population centres also shown.

**SCALE**
1:50,000
1:15,840

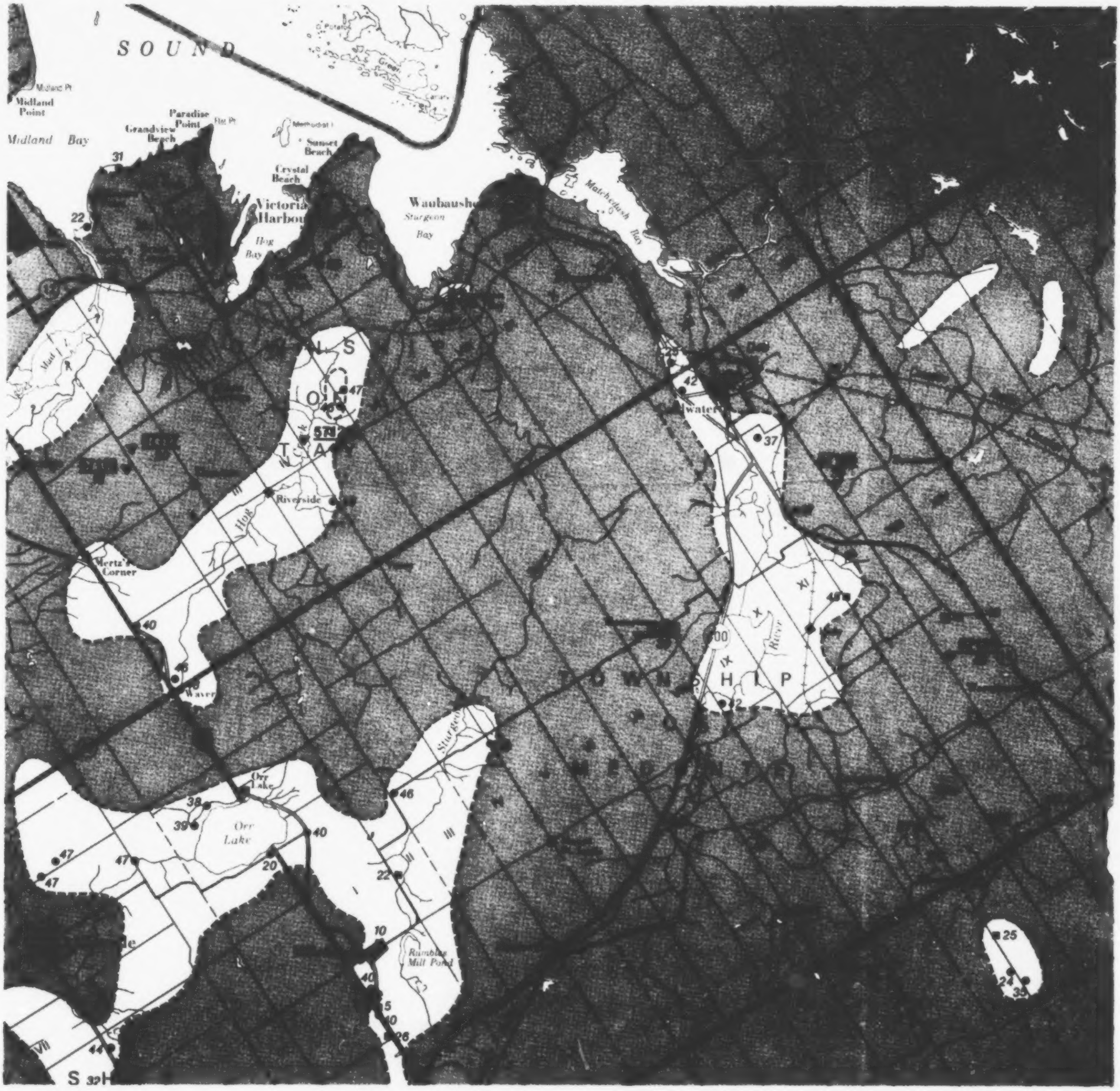
**PUBLISHER/SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**



# HYDROGAPHY AND FLOOD PLAIN

| title | scale | page |
|---|---|---|
| County/District Ground Water Probability | Varies | 79 |
| Susceptibility of Ground Water to Contamination | 1:50,000 | 80 |
| Major Aquifers in Ontario | 1:100,000 | 81 |
| Drainage Basin Hydrology | Varies | 82 |
| Engineered Flood Line | 1:2,000 | 83 |
| Public Information Flood Risk Maps | 1:25,000<br>1:10,000 | 84 |
| Artificial Drainage System | 1:25,000 | 85 |
| Navigation Charts | Varies | 86 |


SOUND
Midland Pt
Midland Point
Midland Bay
Paradise Point
Grandview Beach
Sunset Beach
Crystal Beach
Victoria Harbour
Hog Bay
Waubaushene
Sturgeon Bay
Matchedash Bay
Riverside
Mertz's Corner
Orr Lake
Rumble Mill Pond
TOWNSHIP

## COUNTY/DISTRICT GROUND WATER PROBABILITY

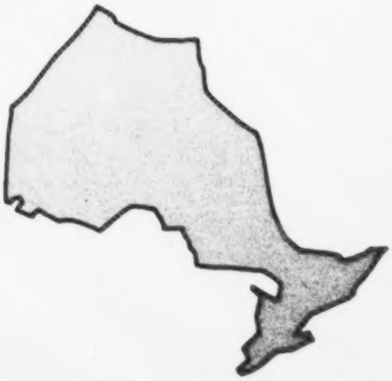
**MAP FEATURES**
These maps are available in sets containing information on:
- probable yields from wells
- ground water quality
- well locations
- Coloured map

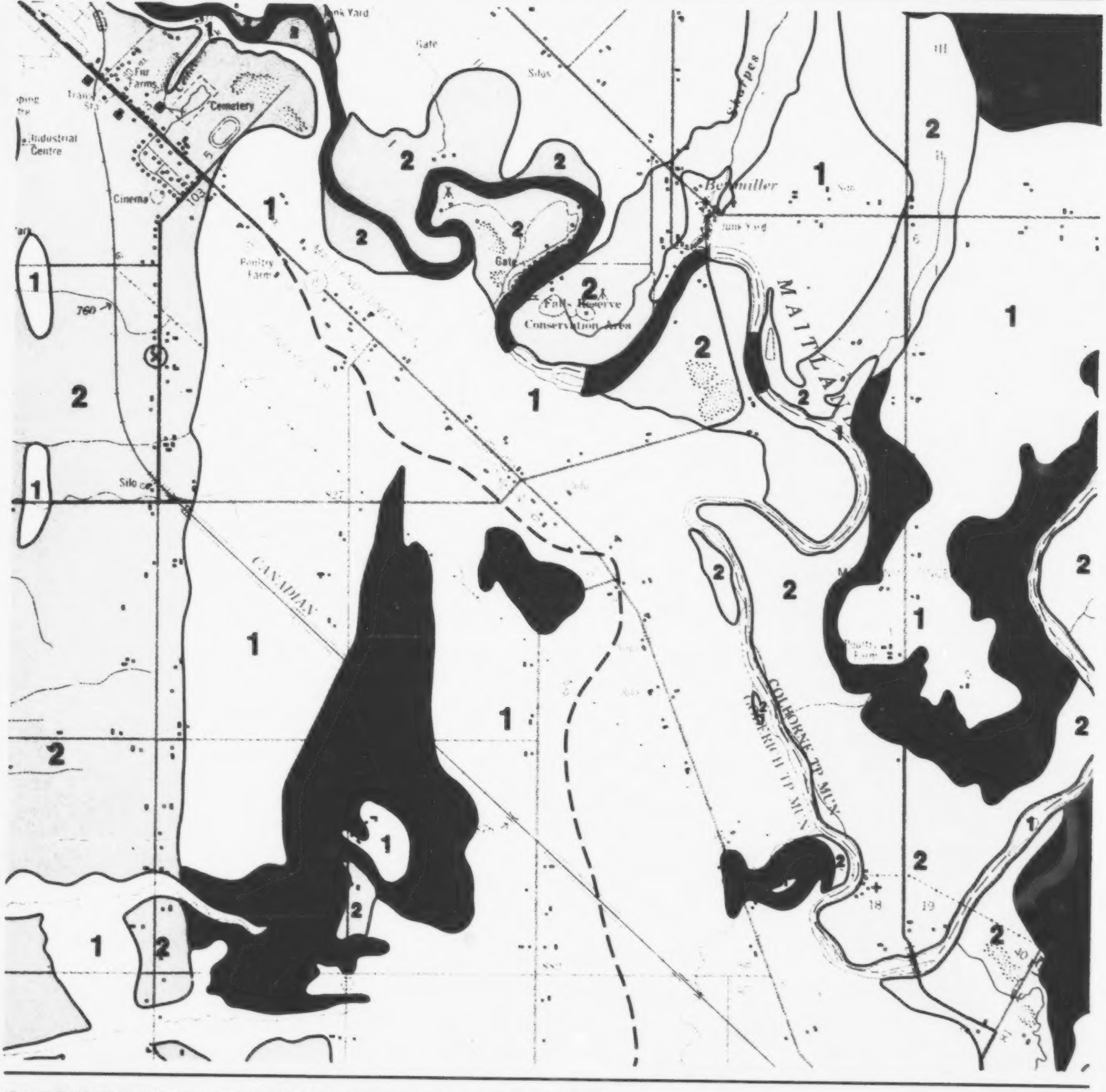
**SCALE**
Varies

**PUBLISHER**
Ontario Ministry of the Environment

**SOURCE**
Ontario Ministry of the Environment
135 St. Clair Avenue West
Suite 100
Toronto, Ontario
M4V 1P5
Tel. (416) 965-2105

**COVERAGE**
Some maps are no longer in print and are only available as reference.




Junk Yard
Gate
Silos
Fur Farms
Cemetery
Trans Sta
Industrial Centre
Cinema
Poultry Farm
760
Silo
Benmiller
Junk Yard
Sharpes
Falls Reserve Conservation Area
MAITLAND
CANADIAN
COLBORNE TP MUN
GODERICH TP MUN
Poultry Farm
1
2

## SUSCEPTIBILITY OF GROUND WATER TO CONTAMINATION

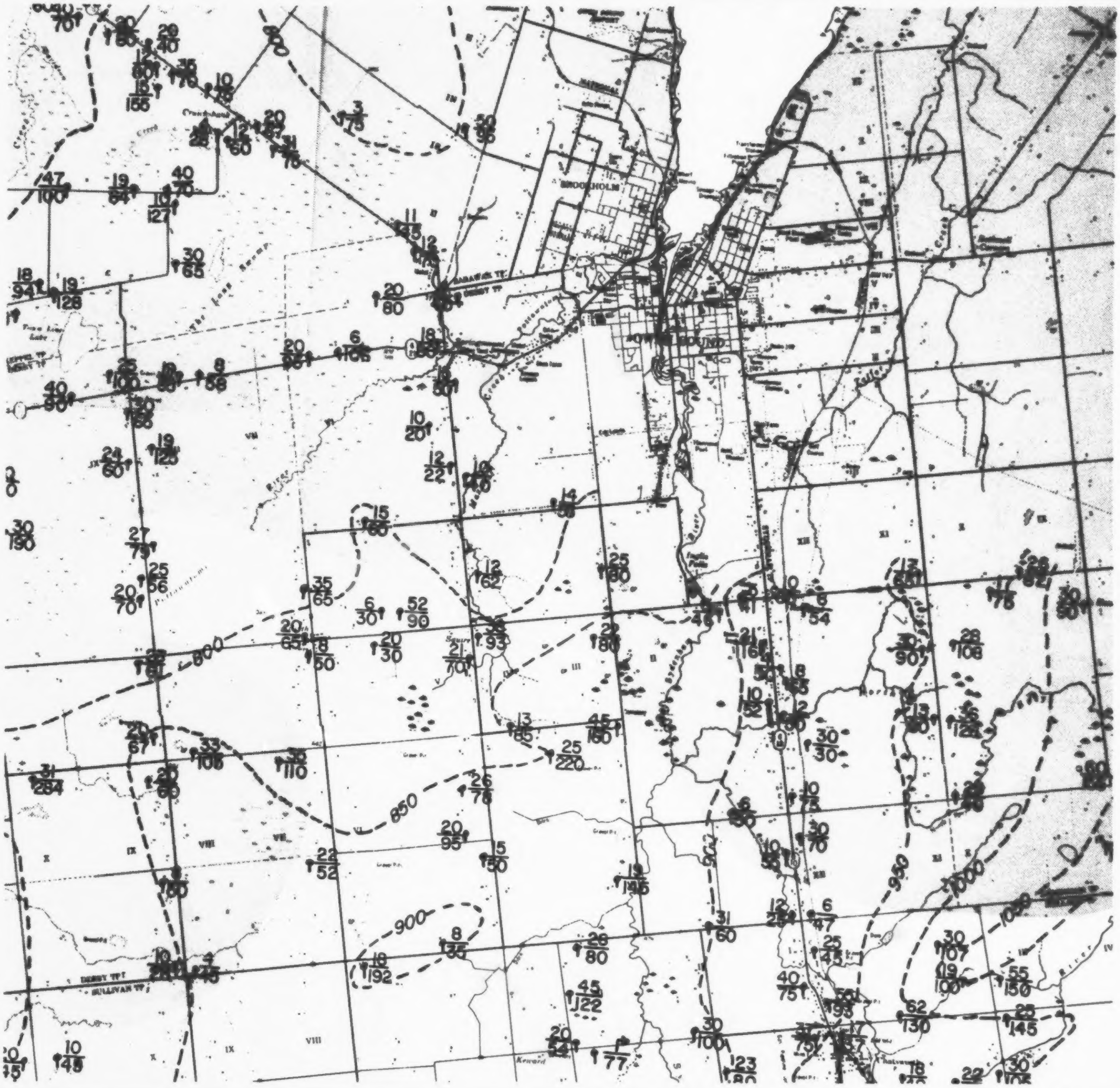
**MAP FEATURES**
Susceptibility of ground water to contamination based on four levels of classification.

**SCALE**
1:50,000

**PUBLISHER**
Ontario Ministry of the Environment

**SOURCE**
Ontario Ministry of the Environment
Suite 100
135 St. Clair Avenue West
Toronto, Ontario
M4V 1P5
Tel. (416) 965-2105

**COVERAGE**



## MAJOR AQUIFERS IN ONTARIO

**MAP FEATURES**
Locations of selected wells, depths to water zone and static water level and level elevation contours.

**SCALE**
1:100,000

**PUBLISHER**
Ontario Ministry of the Environment

**SOURCE**
Ontario Ministry of the Environment
Suite 100
135 St. Clair Avenue West
Toronto, Ontario
M4V 1P5
Tel. (416) 965-2105

**COVERAGE**
Some maps are no longer in print and are only available as reference.

## DRAINAGE BASIN HYDROLOGY

**MAP FEATURES**

These maps are available in sets containing information on:

- surface geology and typology
- bedrock geology and topography
- locations of water wells
- well yield probability
- ground water quality
- coloured map

**SCALE**

Varies

**PUBLISHER**

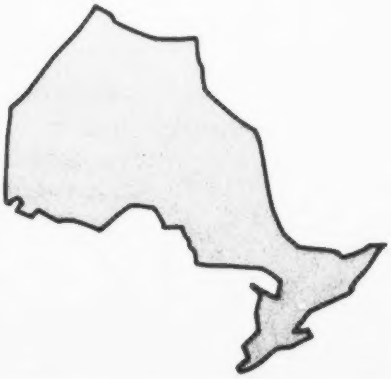
Ontario Ministry of the Environment

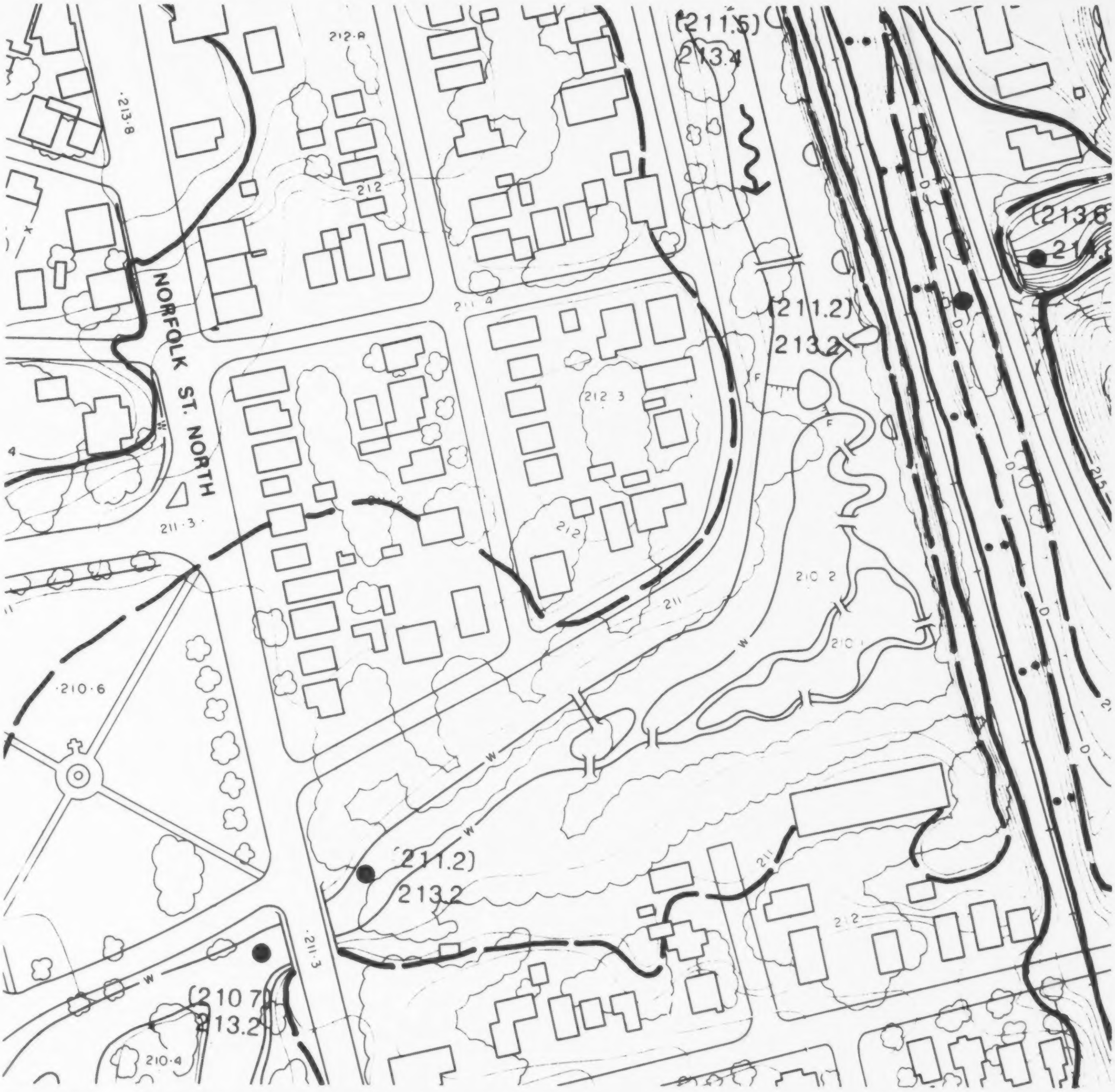
**SOURCE**

Ontario Ministry of the Environment
Suite 100
135 St. Clair Avenue West
Toronto, Ontario
M4V 1P5
Tel. (416) 965-2105

**COVERAGE**

Some maps are no longer in print and are only available as reference.




NORFOLK ST. NORTH
(211.5)
213.4
(213.8)
(211.2)
213.2
(211.2)
213.2
(210.7)
213.2
212.8
213.8
212
211.4
212.3
212
211.3
210.6
210.2
210.1
211
211.3
211
212
210.4

## ENGINEERED FLOODLINE

**MAP FEATURES**
Roads, trails, buildings, fences, trees, hedges, culverts, streams, swamps, spot elevations and contours, floodlines, fill lines, flood levels for regional storms and 100 year storms.

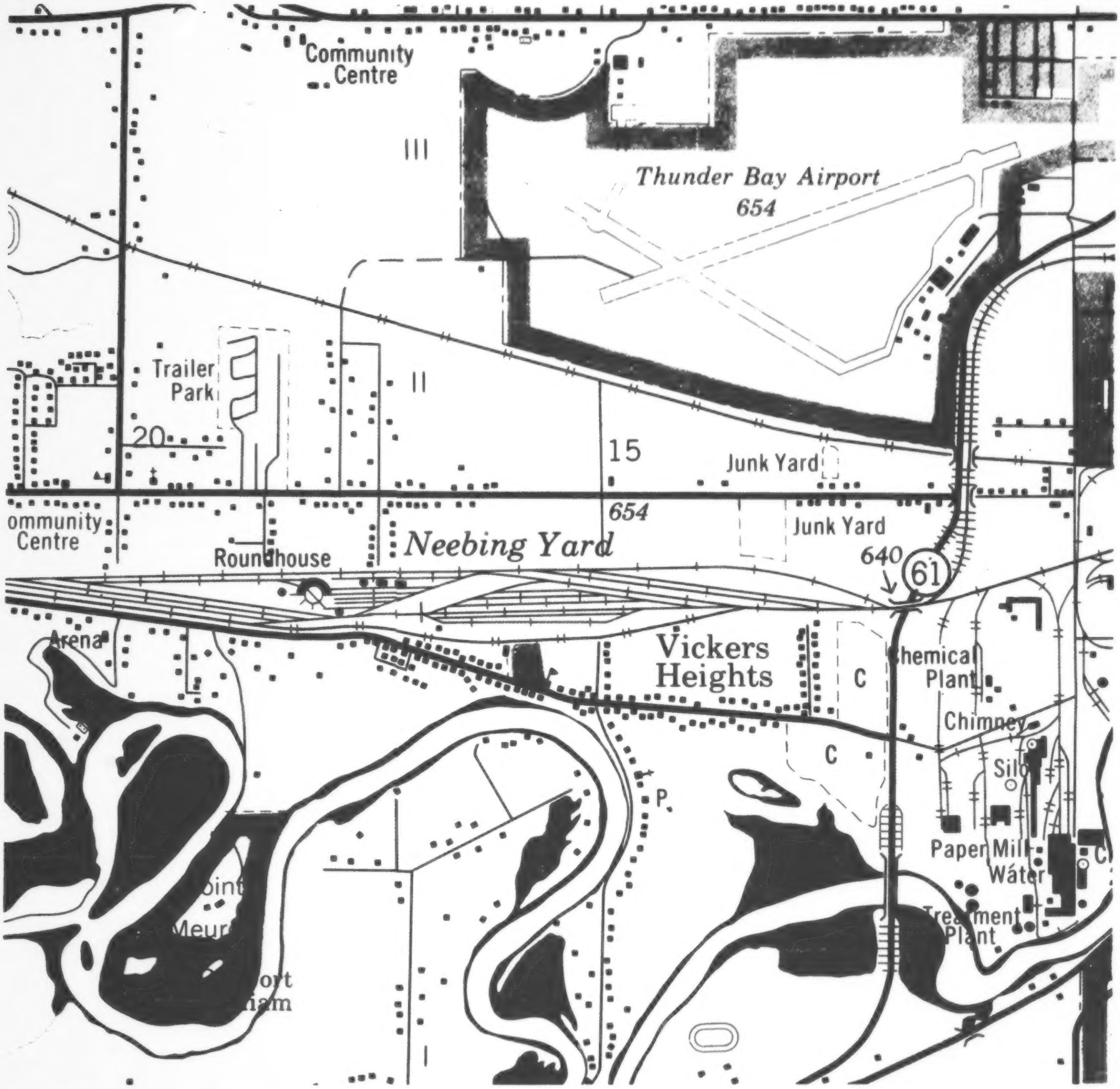
**SCALE**
1:2,000

**PUBLISHER**
Conservation Authorities/Ministry of Natural Resources

**SOURCE**
Contact individual conservation authorities.

**COVERAGE**

For detailed information on coverage consult the *Catalogue of Flood Plain Mapping in the Province of Ontario*, Ministry of Natural Resources. Tel. (416) 965-1348.


Community Centre
III
Thunder Bay Airport
654
Trailer Park
20
II
15
Junk Yard
654
Junk Yard
640
61
ommunity Centre
Roundhouse
Neebing Yard
Arena
Vickers Heights
C
hemical Plant
Chimney
C
Silo
P.
Paper Mill
Water Treatment Plant
oint
Meur
ort
ham

## PUBLIC INFORMATION FLOOD RISK MAPS

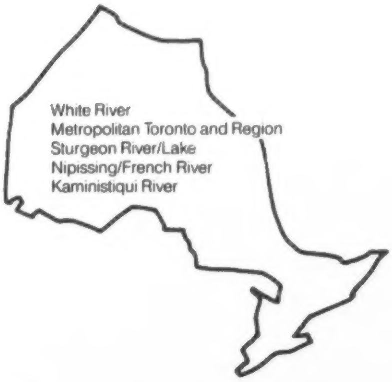
**MAP FEATURES**
Normal water surface and designated flood risk areas, buildings, roads, railroads, airports and population centres.
- Coloured map

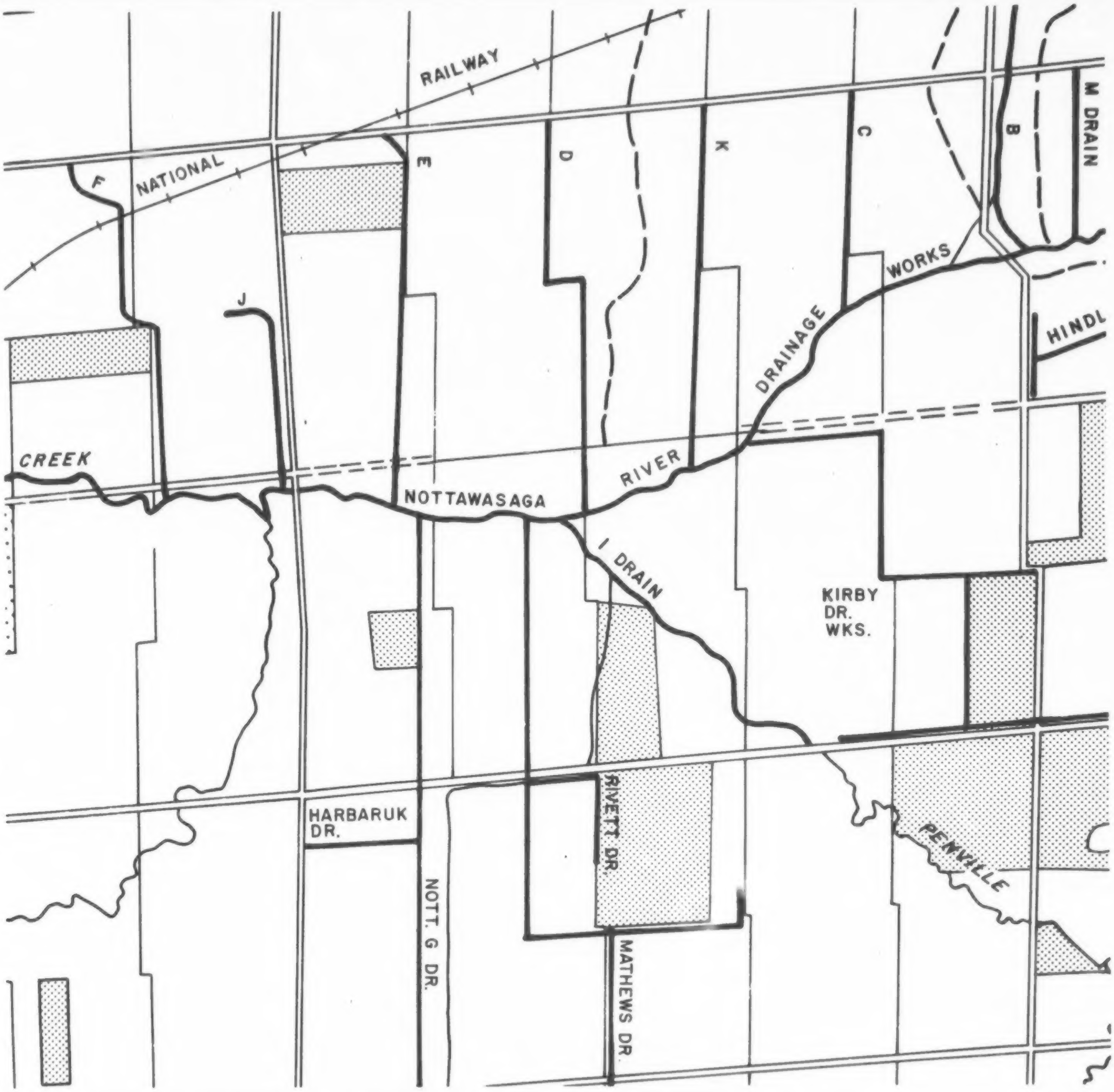
**SCALE**
1:25,000
1:10,000

**PUBLISHER**
Ontario Ministry of Natural Resources

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**


White River
Metropolitan Toronto and Region
Sturgeon River/Lake
Nipissing/French River
Kaministiqui River


RAILWAY
NATIONAL
F
E
D
K
C
B
M DRAIN
J
HINDL
DRAINAGE WORKS
CREEK
NOTTAWASAGA RIVER
I DRAIN
KIRBY DR. WKS.
HARBARUK DR.
NOTT. G DR.
RIVETT DR.
MATHEWS DR.
PENVILLE

## ARTIFICIAL DRAINAGE SYSTEM

**MAP FEATURES**
Drains, watershed boundaries, systematic and random tile drains, railroads, roads, rivers, streams, street names.

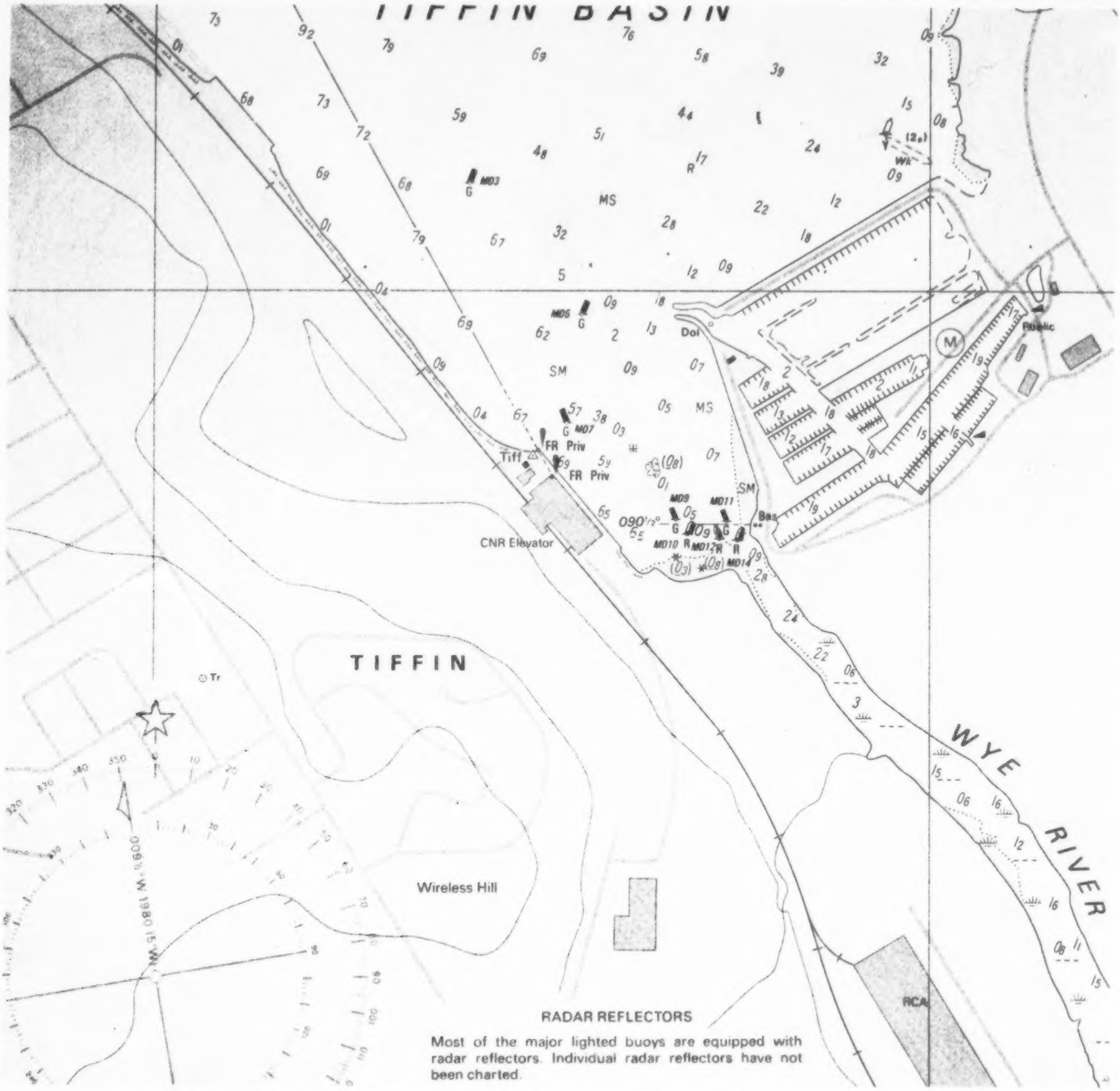
**SCALE**
1:25,000

**PUBLISHER**
Ontario Ministry of Agriculture and Food

**SOURCE**
Ontario Ministry of Agriculture and Food
Soils and Water Management Branch
801 Bay Street
Toronto, Ontario
M7A 2B2
Tel. (416) 965-9921

**COVERAGE**

For detailed information on coverage consult the *Agricultural Resource Inventory*, Ontario Ministry of Agriculture and Food, (416) 965-9921


TIFFIN BASIN
TIFFIN
WYE RIVER
CNR Elevator
Wireless Hill
Tiff
FR Priv
MS
SM
Dol
Public
RCA
009½°W 1980 (5'W)

RADAR REFLECTORS

Most of the major lighted buoys are equipped with radar reflectors. Individual radar reflectors have not been charted.

## NAVIGATION CHARTS

**MAP FEATURES**
Water depths, buoy and light range locations, landmarks and wharfs.

- Coloured map

**PUBLISHER**
Canadian Hydrographic Service
Department of Fisheries and Oceans

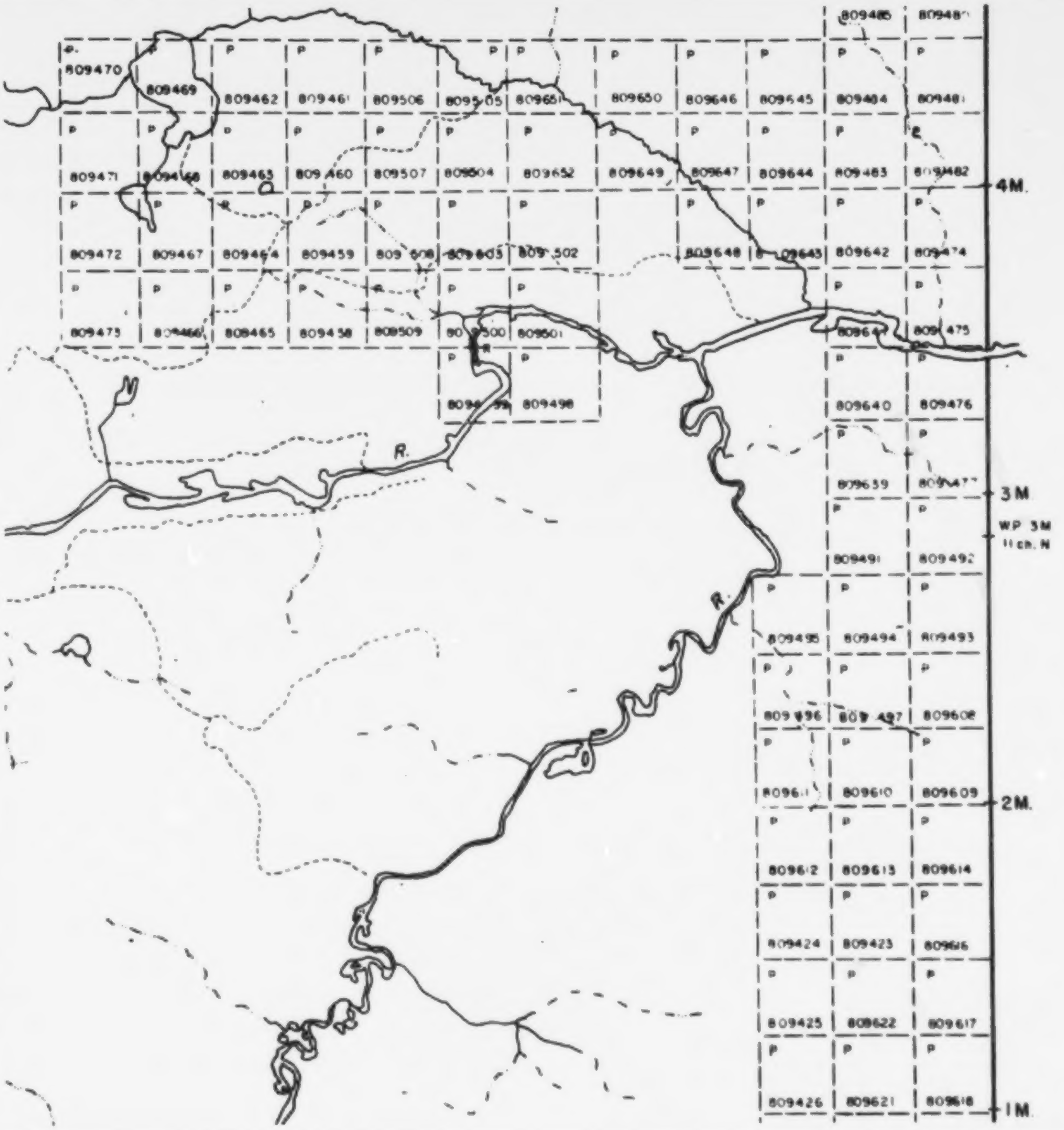
**SOURCE**
Department of Fisheries and Oceans
Canadian Hydrographic Service
1675 Russell Rd.
Box 8080
Ottawa, Ontario
K1G 3H6
Tel. (613) 998-4931

**COVERAGE**

All navigable waterways

# GEOLOGY AND MINING

| title | scale | page |
|---|---|---|
| Disposition of Crown Lands | 1:31,680 | 89 |
| Geological Highway Map of Southern Ontario | 1:800,000 | 90 |
| Physiography of Southern Ontario | 1:600,000 | 91 |
| Industrial Minerals of Ontario (Ontario Geological Study) | 1:1,500,000 | 92 |
| Windsor-Toronto Area Geology (Geological Survey of Canada) | 1:250,000 | 93 |
| Selected Sand and Gravel Resource Areas | 1:50,000 | 94 |
| Preliminary Geological Maps (Quaternary Geological Publications) | 1:50,000 | 95 |
| Bedrock Contours | 1:2,880 | 96 |
| (Quaternary Geological Publications) | 1:50,000 | 96 |
| General Construction Capacity Map (Northern Ontario Engineering Geology Terrain Study) | 1:100,000 | 97 |
| Industrial Mineral Resources (Quaternary Geological Publications) | 1:50,000 | 98 |
| Precambrian Geology | varies | 99 |
| Geochemical Series – Preliminary Maps | 1:15,780<br>1" = ¼ mile | 100 |
| Property Location Maps (Geological Data Inventory Folio) | 1:31,680 | 101 |
| Exploration Data Maps (Geological Data Inventory Folio) | 1:31,680 | 102 |
| Data Series Preliminary Maps | 1:15,840 | 103 |
| Petroleum Resources Maps | 1:100,000 | 104 |
| Paleozoic and Mesozoic Geology | 1:50,000 | 105 |
| Geophysical Series Preliminary Maps | 1:100,000 | 106 |
| Geophysical-Geochemical 80,000 Series Maps | 1:20,000 | 107 |
| Aeromagnetic Series Maps | 1:63,360 | 108 |


809470
809469
809462
809461
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809498
809640
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809616
809425
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809618
P
R.
4M.
3M
WP 3M
11 ch. N
2M.
1M.
MALLARD TP.

## DISPOSITION OF CROWN LANDS

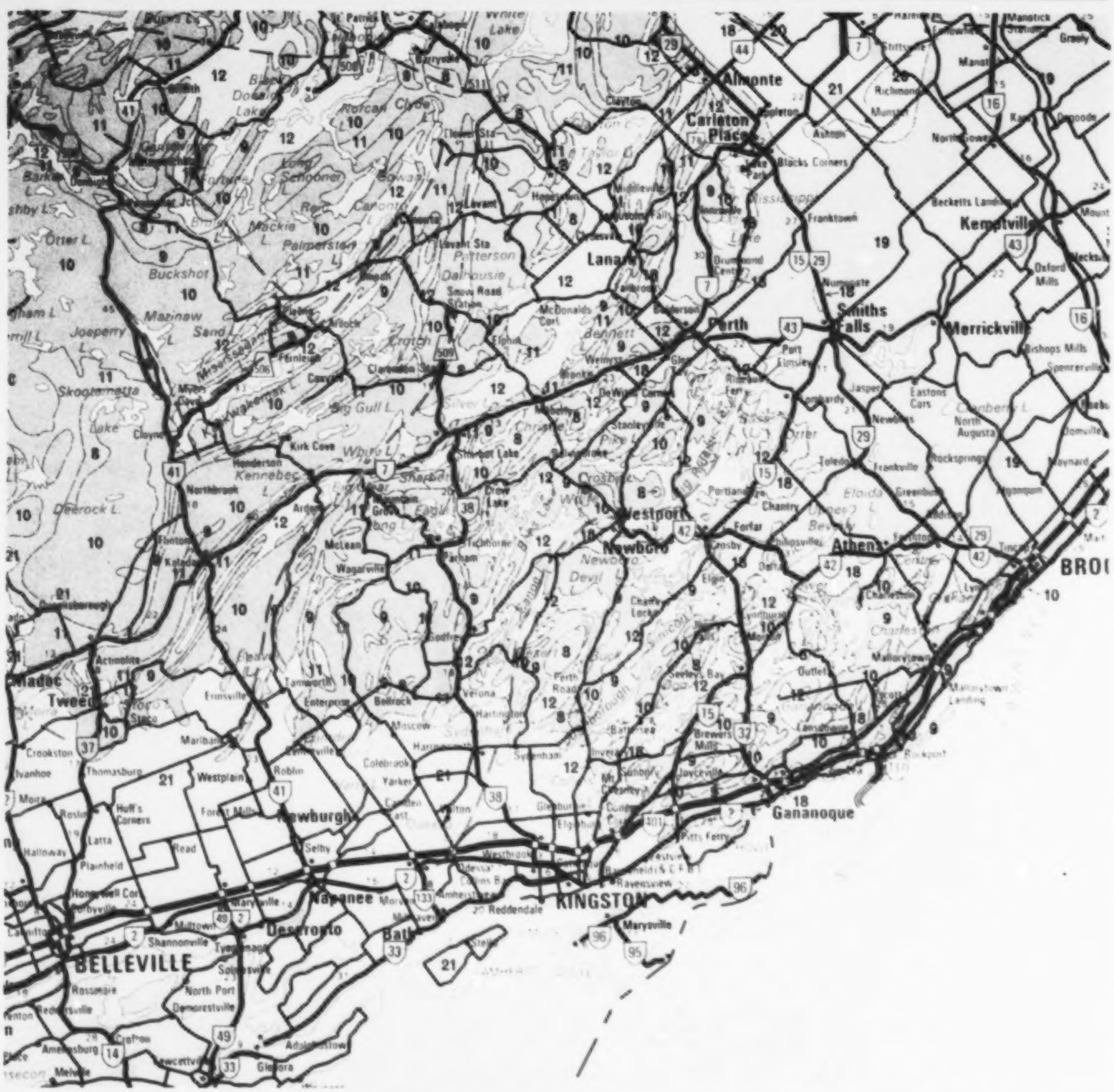
**MAP FEATURES**
Mining claims indicating patent number and mining rights.

**SCALE**
1:31,680

**PUBLISHER**
Ministry of Natural Resources

**SOURCE**
Ministry of Natural Resources
Titles Section
Whitney Block, Room 6645
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1319

**COVERAGE**



## GEOLOGICAL HIGHWAY MAP SOUTHERN ONTARIO

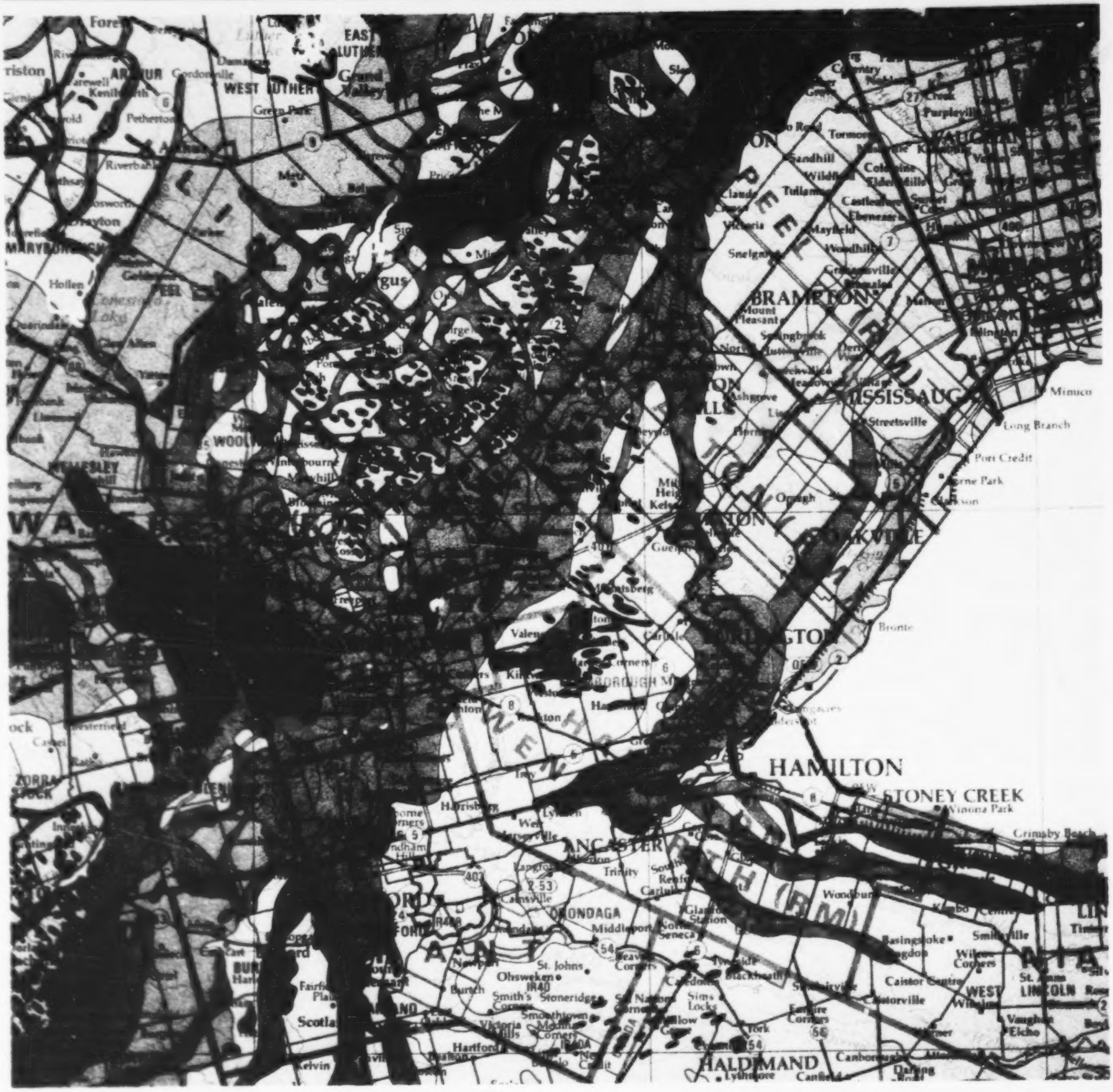
**MAP FEATURES**
Distribution of rock units exposed at the surface, landform features such as escarpments, canyons, hills and valleys, provincial highways and other roads.
- Coloured map

**SCALE**
1:800,000

**PUBLISHER**
Ontario Ministry of Natural Resources

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**


BRAMPTON
MISSISSAUGA
Streetsville
Mimico
Long Branch
Port Credit
Bronte
HAMILTON
STONEY CREEK
Winona Park
Grimsby Beach
ANCASTER
ONONDAGA
HALDIMAND
PEEL (RM)
Caledonia
Ohsweken
St. Johns
Smithville
Caistor Centre
LINCOLN
Arthur
West Luther
Grand Valley
Drayton
Mount Pleasant
Georgetown
Oakville

## PHYSIOGRAPHY OF SOUTHERN ONTARIO

**MAP FEATURES**
Geological features such as till moraine, Kane moraine, till plain, drumlins, rock ridges, eskers, spillway channels. Township, county, district and regional boundaries are also shown.

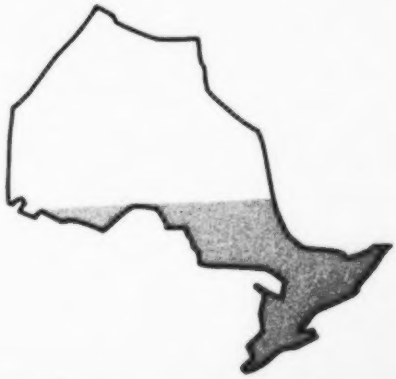
- Coloured map

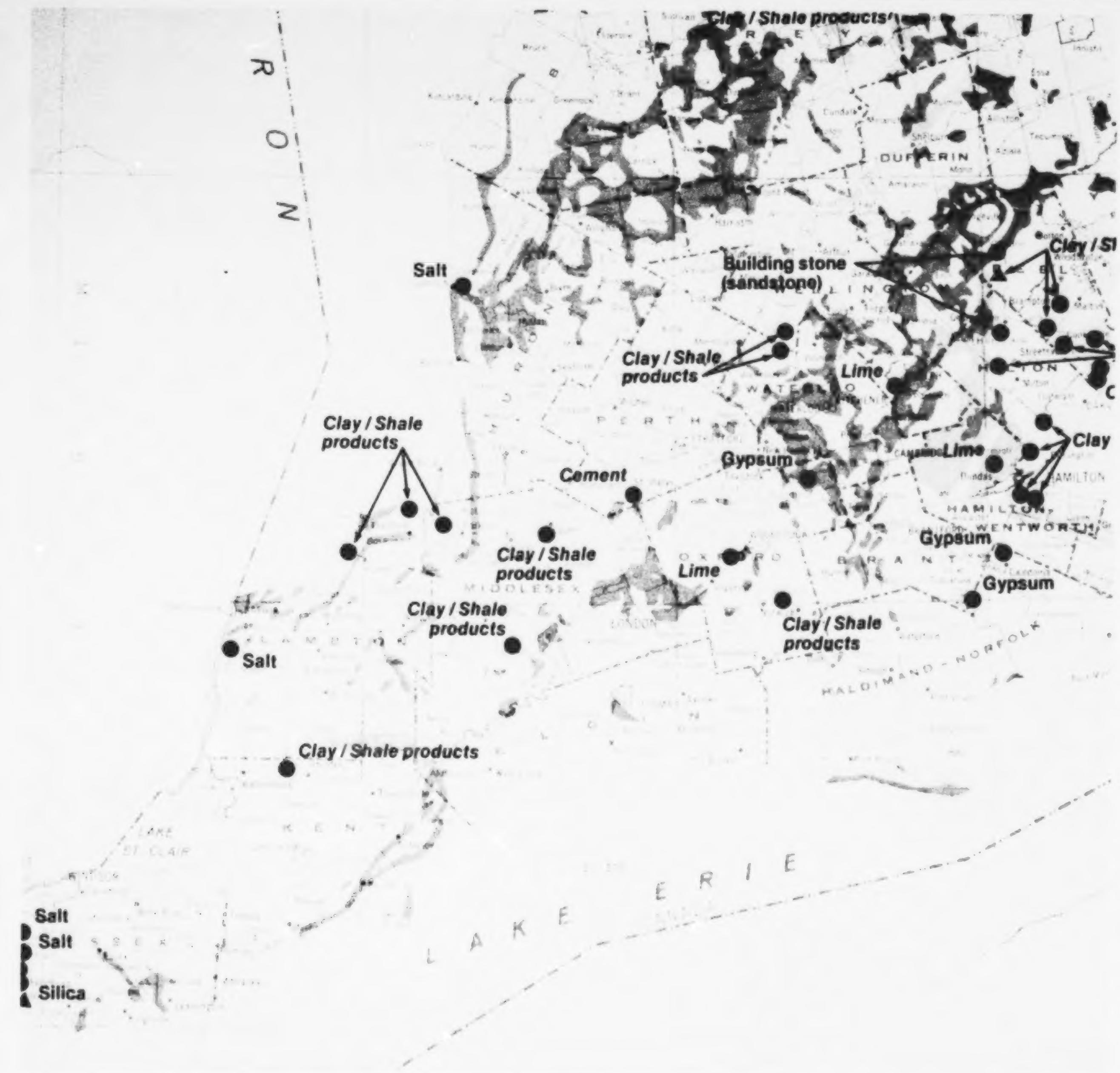
**SCALE**
1:600,000

**PUBLISHER**
Ontario Ministry of Natural Resources

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**





Clay / Shale products
HURON
GREY
DUFFERIN
Salt
Building stone (sandstone)
Clay / Shale products
Lime
WATERLOO
PERTH
Clay / Shale products
Gypsum
Lime
Clay
Cement
HAMILTON-WENTWORTH
Clay / Shale products
Lime
OXFORD
BRANT
Gypsum
Gypsum
MIDDLESEX
Clay / Shale products
Clay / Shale products
LAMBTON
Salt
HALDIMAND-NORFOLK
Clay / Shale products
KENT
LAKE ST. CLAIR
LAKE ERIE
Salt
Salt
Silica

## INDUSTRIAL MINERALS OF ONTARIO – ONTARIO GEOLOGICAL SURVEY

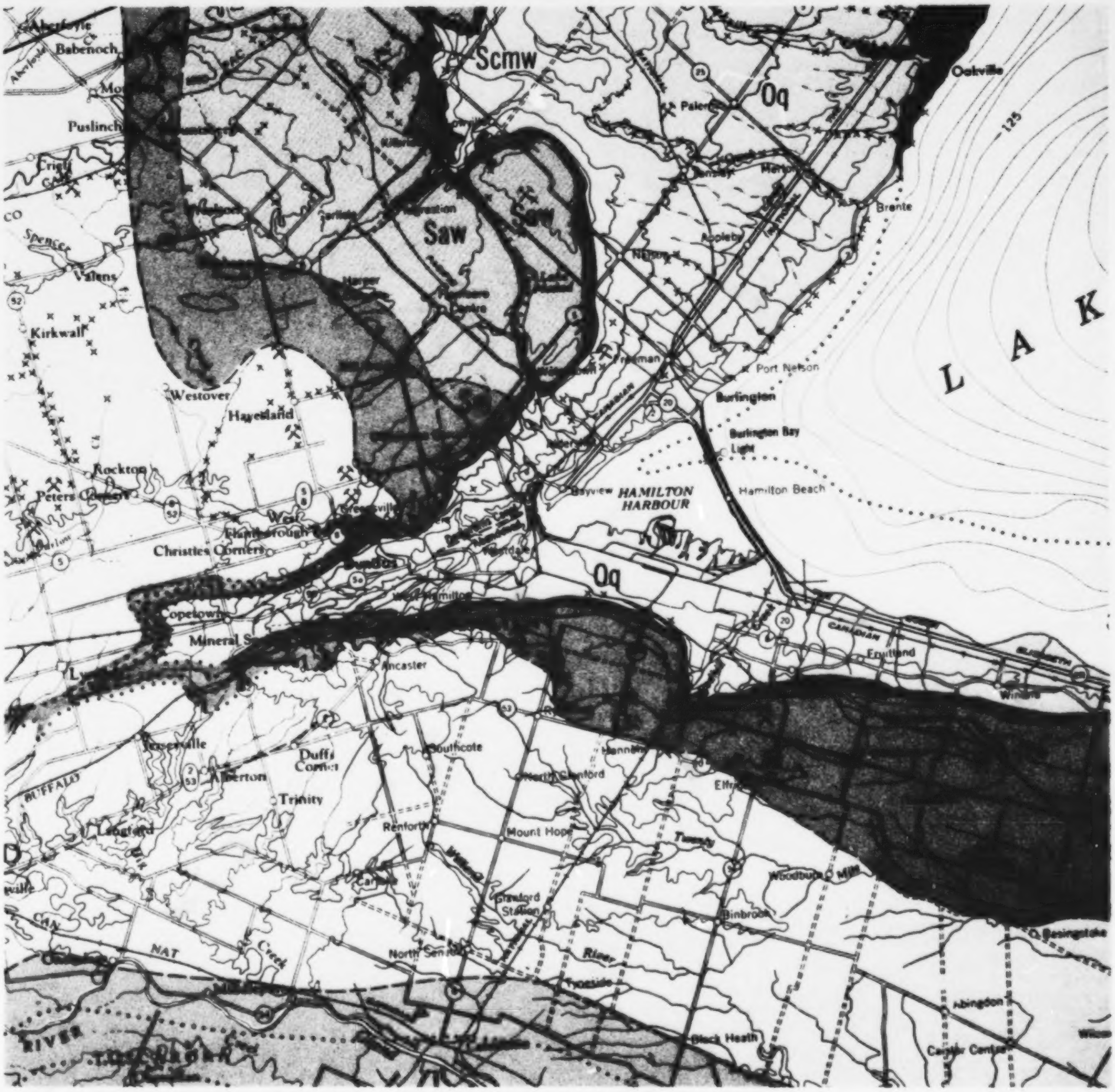
MAP FEATURES
Major land and gravel sources and major stone resources.

SCALE
1:1,500,000

PUBLISHER
Ontario Ministry of Northern Development and Mines

SOURCE
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

COVERAGE


Aberfoyle
Babenoch
Puslinch
Scmw
Oq
Oakville
Palermo
Saw
Saw
Bronte
Appleby
Spencer
Valens
Kirkwall
Westover
Hayesland
Rockton
Peters Corners
Christies Corners
West Flamborough
Greensville
Dundas
Copetown
Mineral Springs
Ancaster
West Hamilton
Port Nelson
Burlington
Burlington Bay Light
Bayview
HAMILTON HARBOUR
Hamilton Beach
Oq
Fruitland
Winona
Jerseyville
Alberton
Duffs Corner
Trinity
Southcote
North Glanford
Renforth
Mount Hope
Hannon
Elfrida
Twenty
Woodburn
Binbrook
Glanford Station
North Seneca
Tyneside
Black Heath
Abingdon
Caistor Centre
Boasington
L A K
BUFFALO
RIVER
Creek
River
125

## TORONTO-WINDSOR AREA GEOLOGY – GEOLOGICAL SURVEY OF CANADA

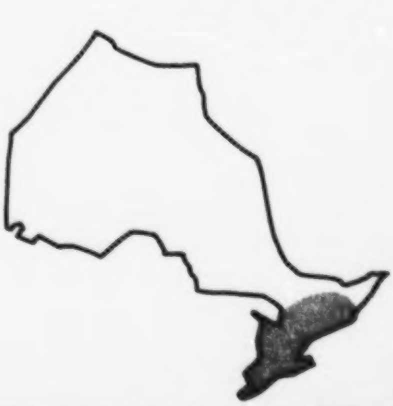
**MAP FEATURES**
Topographic contours, paleozoic geology, geological boundaries, quarries, rock outcrops, faults, gypsum and salt mines and solution brine fields, population centres, railroads, roads, rivers, creeks and cross-section and stratigraphic columns of the area.
- Coloured map

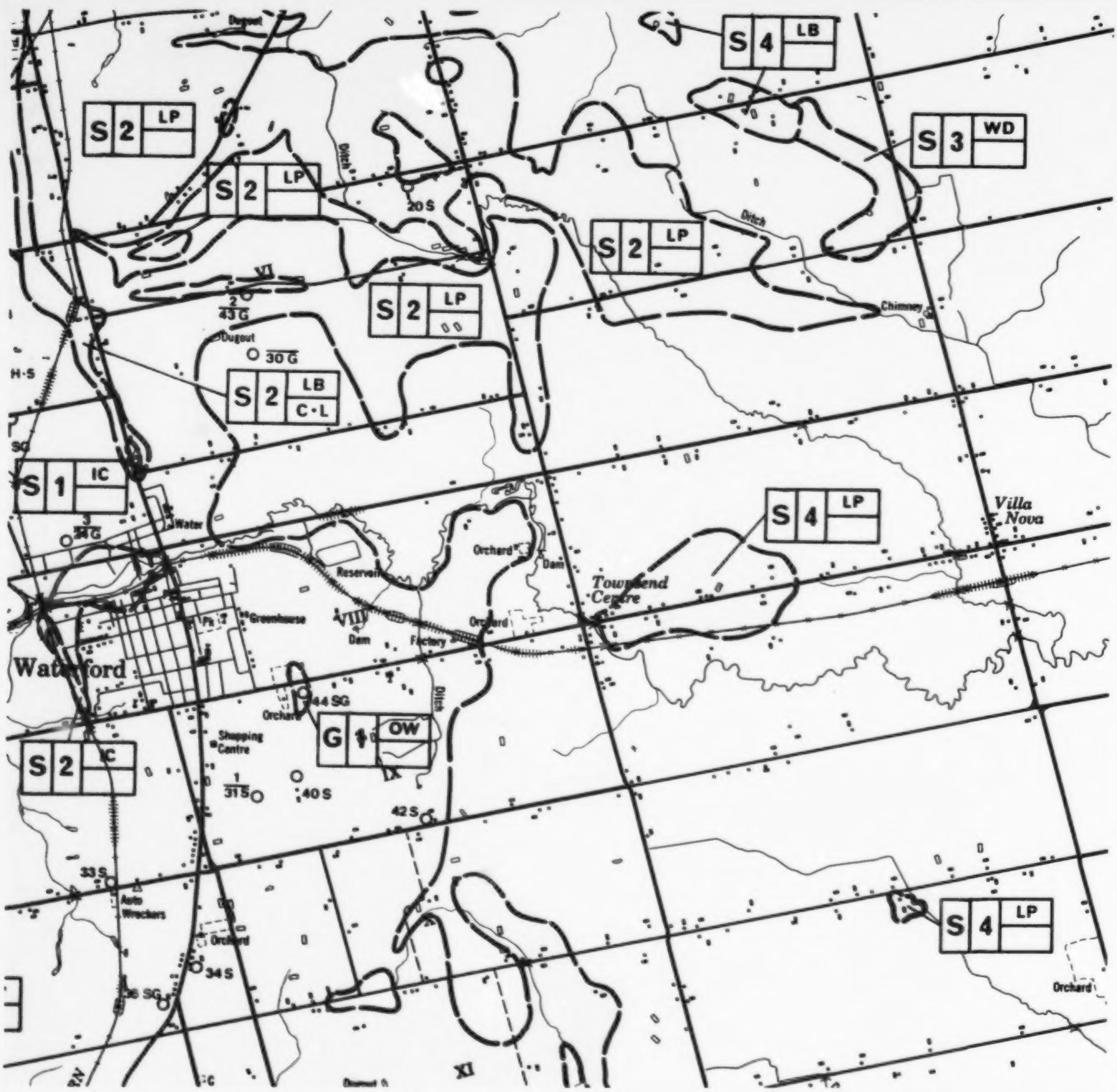
**SCALE**
1:250,000

**PUBLISHER**
Department of Energy, Mines and Resources

**SOURCE**
Department of Energy, Mines and Resources
Canada Map Office
615 Booth Street
Ottawa, Ontario
K1A 0E9
Tel. (613) 998-3865

**COVERAGE**




S 4 LB
S 2 LP
S 3 WD
S 2 LP
S 2 LP
S 2 LP
S 2 LB C·L
S 1 IC
S 4 LP
S 2 IC
G 1 OW
S 4 LP
Waterford
Townsend Centre
Villa Nova
Dugout
Ditch
Chimney
Water
Reservoir
Orchard
Dam
Greenhouse
Factory
Shopping Centre
Auto Wreckers
20 S
43 G
30 G
34 G
44 SG
31 S
40 S
42 S
33 S
34 S
VI
VIII
IX
XI
H·5

## SELECTED SAND AND GRAVEL RESOURCE AREAS – AGGREGATE RESOURCES INVENTORY PAPERS

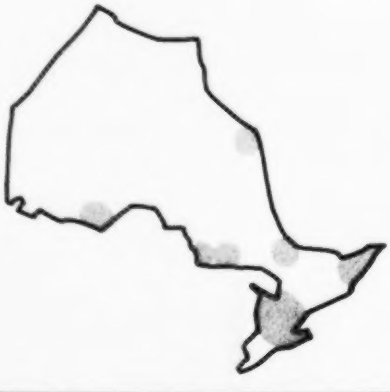
**MAP FEATURES**
Municipal boundaries, areas of primary, secondary and tertiary significance, unlicenced sand and gravel pits.

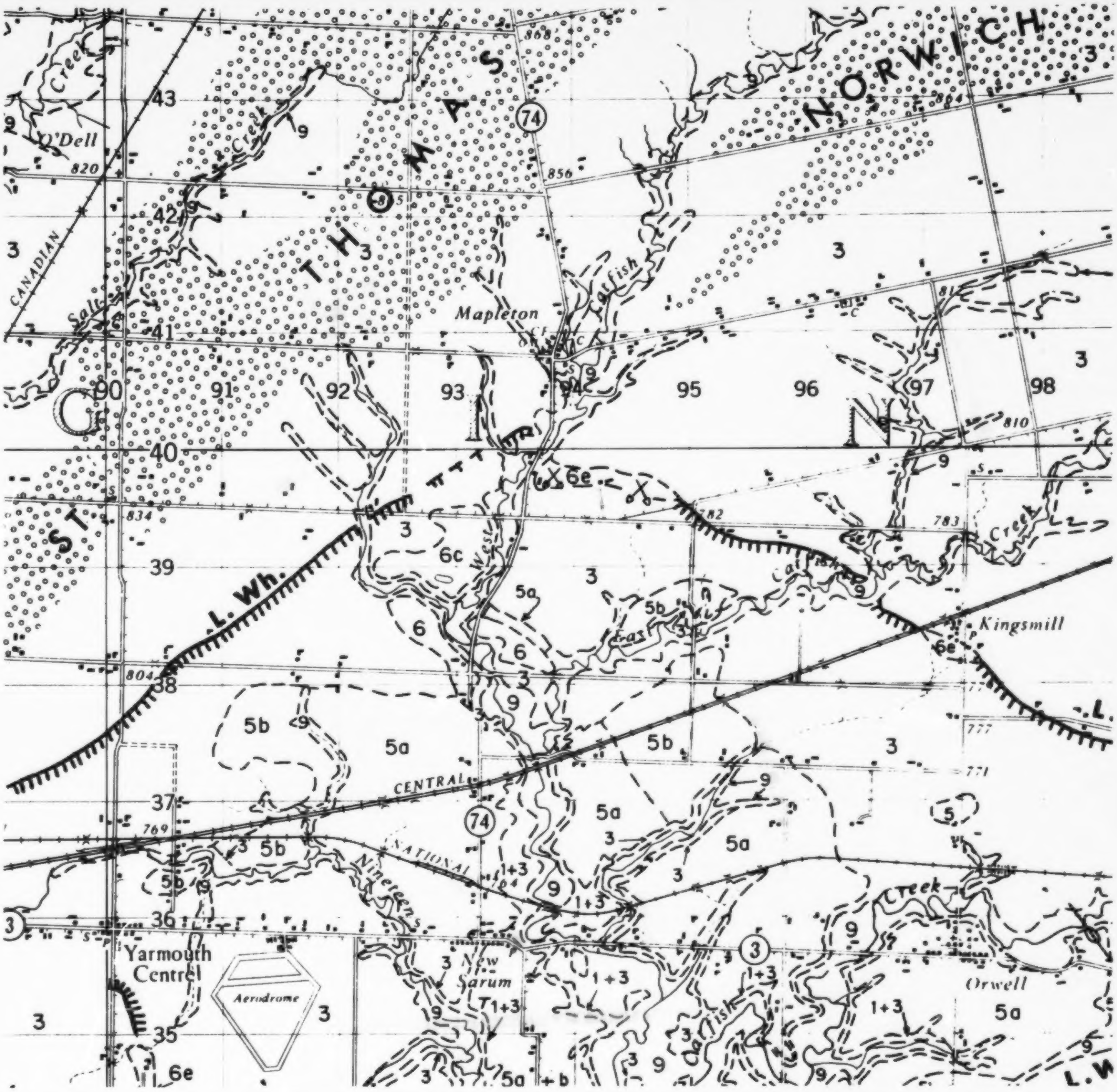
**SCALE**
1:50,000

**PUBLISHER**
Ontario Ministry of Northern Development and Mines

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**




ST. THOMAS
NORWICH
O'Dell
Creek
CANADIAN
Mapleton
Catfish
Kingsmill
L. Wh.
CENTRAL
NATIONAL
Nineteen
Yarmouth Centre
Aerodrome
New Sarum
Orwell
74
3
5a
5b
6c
6e
9
1+3

## PRELIMINARY GEOLOGICAL MAPS (QUATERNARY GEOLOGICAL PUBLICATIONS)

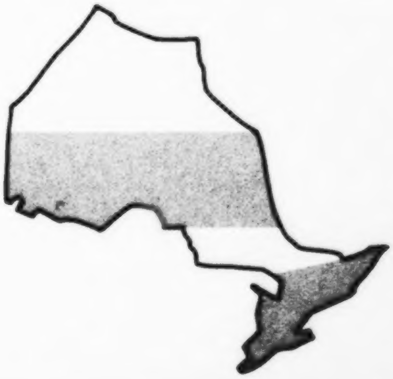
**MAP FEATURES**
Pleistocene geology, end moraines, shorelines, direction of glacial movement, sand, gravel and clay pits, ground moraines, dunes, glacial striae, drumlin, meltwater channels. Base map is NTS map, therefore similar topographic information is included.

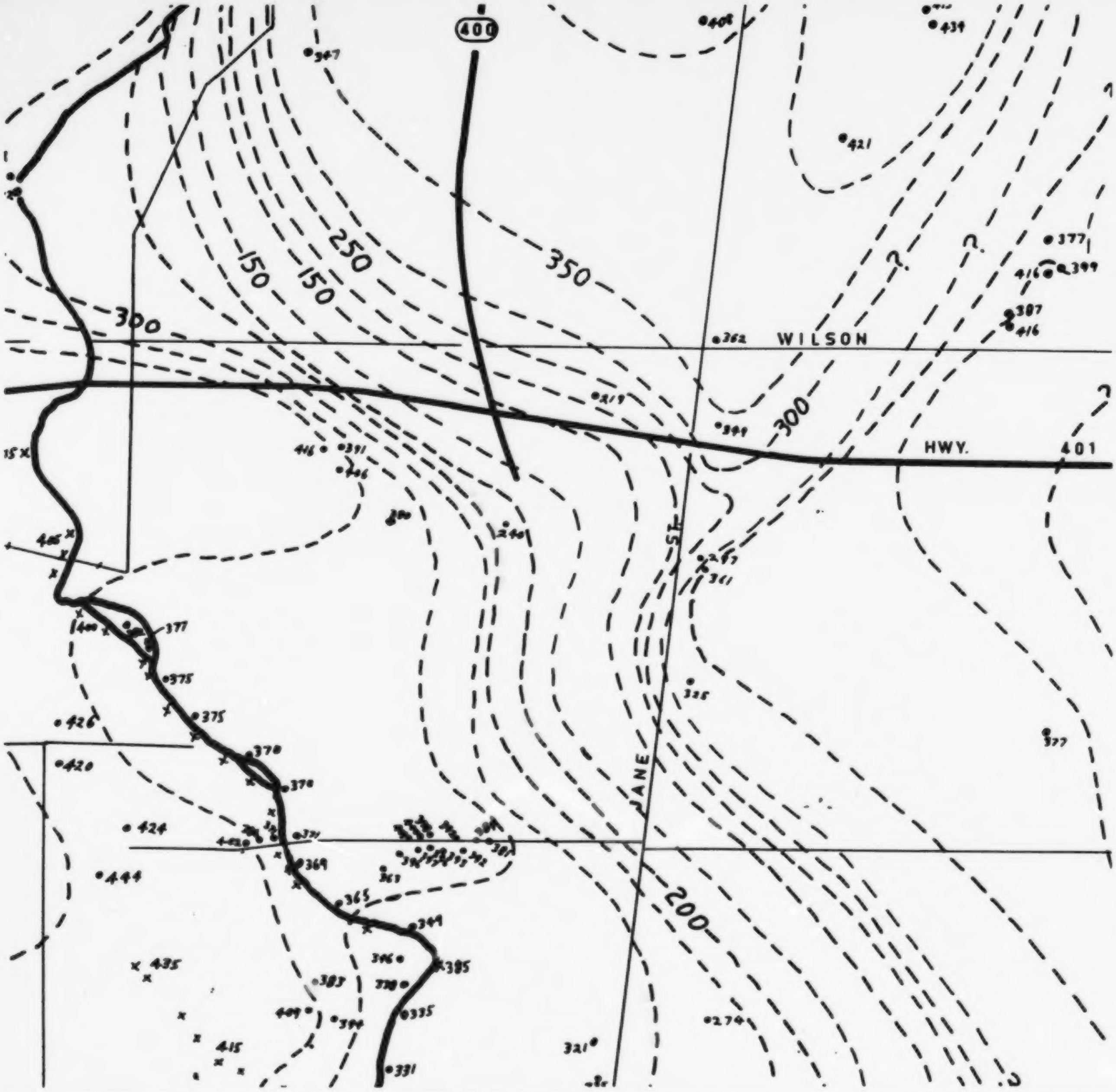
**SCALE**
1:50,000

**PUBLISHER**
Ontario Ministry of Northern Development and Mines

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**




400
350
250
150
150
300
300
200
WILSON
HWY. 401
JANE ST.

## QUATERNARY GEOLOGICAL PUBLICATIONS – BEDROCK CONTOURS

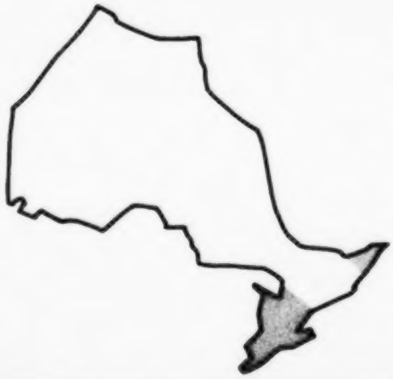
**MAP FEATURES**
Contours on the bedrock surface, bore holes location, bedrock outcrop, roads, rivers and lakes.

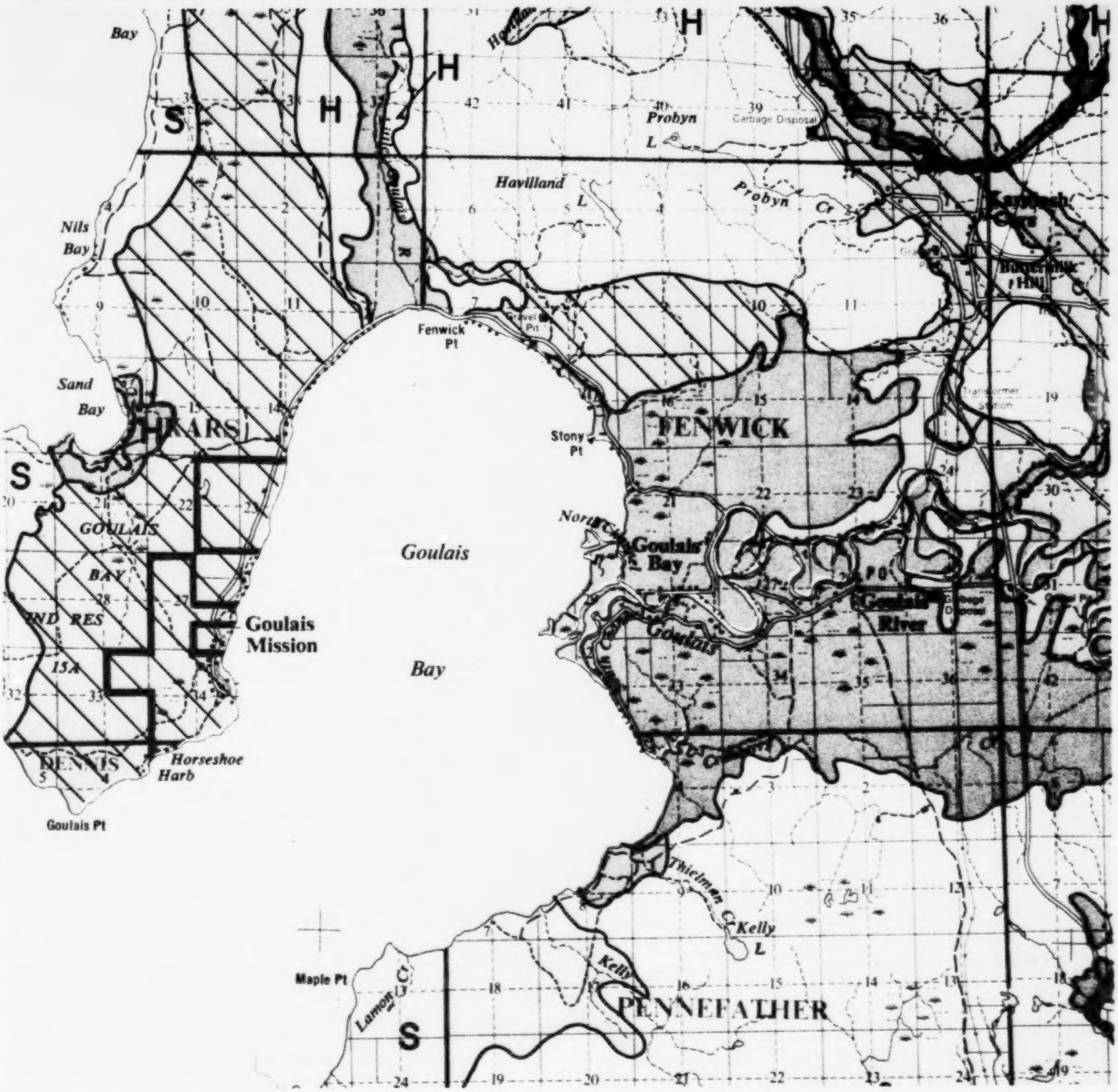
**SCALE**
1:50,000 (Metropolitan Toronto)
1:2,880

**PUBLISHER**
Ontario Ministry of Northern Development and Mines

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**




Bay
S
H
H
H
H
Probyn L
Garbage Disposal
Havilland L
Probyn Cr
Nils Bay
Fenwick Pt
Sand Bay
PRINCE
Stony Pt
FENWICK
S
GOULAIS BAY
IND RES
Goulais
Goulais Bay
Goulais River
Goulais Mission
Bay
DENNIS
Horseshoe Harb
Goulais Pt
Thielman Cr
Kelly L
Maple Pt
Lamont Cr
S
PENNEFATHER

## GENERAL CONSTRUCTION CAPABILITY MAP (NORTHERN ONTARIO ENGINEERING GEOLOGY TERRAIN STUDY)

**MAP FEATURES**

Regional engineering terrain conditions, suitability of various terrain for general construction activities.

- Coloured map

**SCALE**

1:100,000

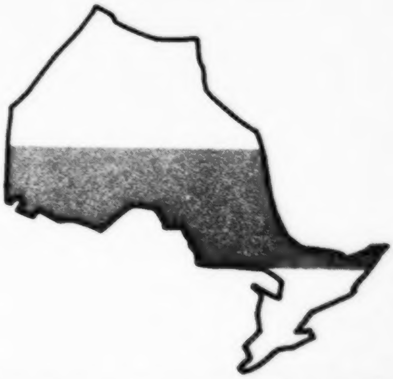
**PUBLISHER**

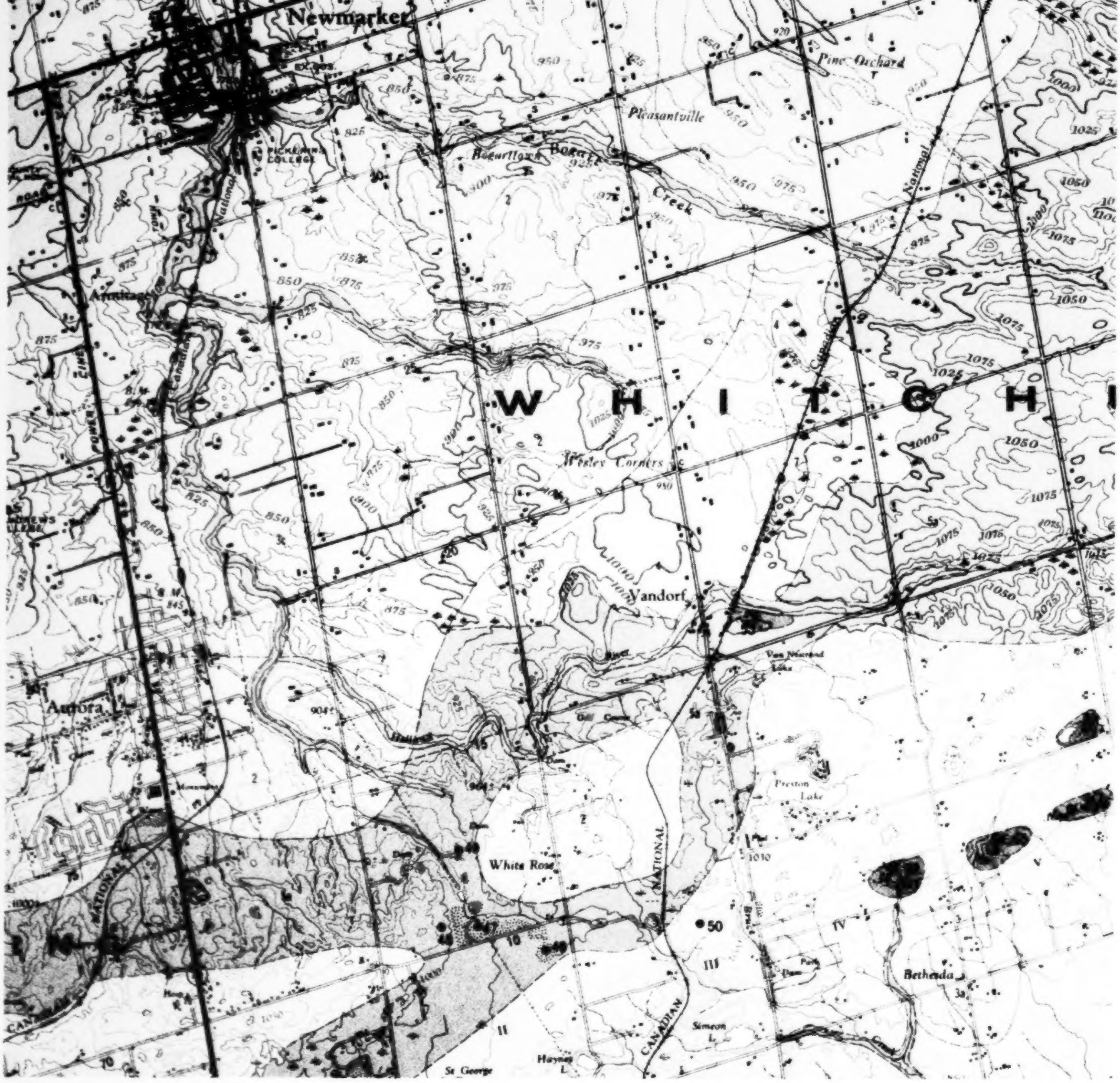
Ontario Ministry of Northern Development and Mines

**SOURCE**

Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**




Newmarket
Pine Orchard
Pleasantville
Pickering College
Bogarttown
Bogart Creek
National
Armitage
W H I T C H
Wesley Corners
Vandorf
Aurora
Preston Lake
White Rose
Bethesda
Canadian
50
St George
Haynes L.
Simeon L.

## INDUSTRIAL MINERAL RESOURCES (QUATERNARY GEOLOGICAL PUBLICATIONS)

**MAP FEATURES**
Mineral deposit occurrences, industrial companies, location of industrial mineral properties, county and geological boundaries, land forms, topographic contours, roads, railroads, swamps, buildings, cities, towns, and villages (NTS base map).

- Coloured map

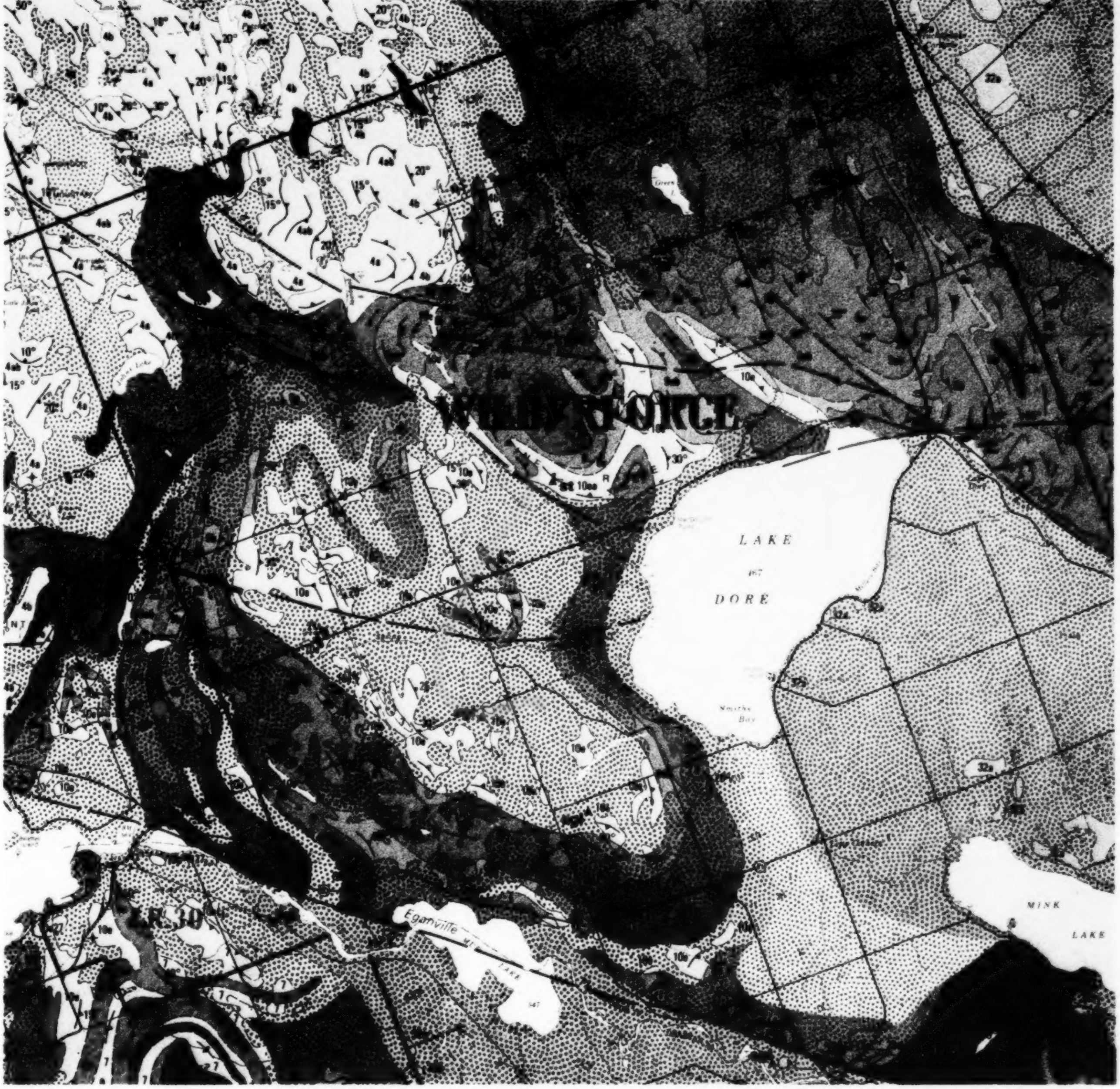
**SCALE**
1:50,000

**PUBLISHER**
Ontario Ministry of Northern Development and Mines

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**

For detailed information on coverage consult the index to Quaternary Geology of Ontario, Ministry of Natural Resources, (416) 965-1348).



## PRECAMBRIAN GEOLOGY

**MAP FEATURES**
Mineral and metal occurrences, rock types and boundaries, bedrock outcrops, mining properties, district, regional, municipal and geographic township boundaries, population centres, railroads, roads.

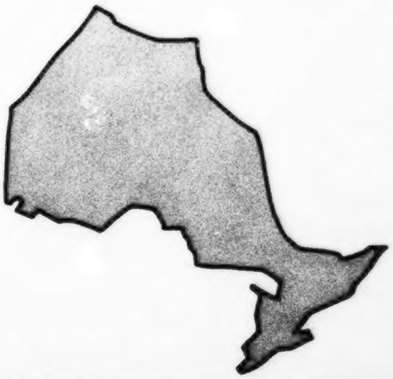
- Coloured map

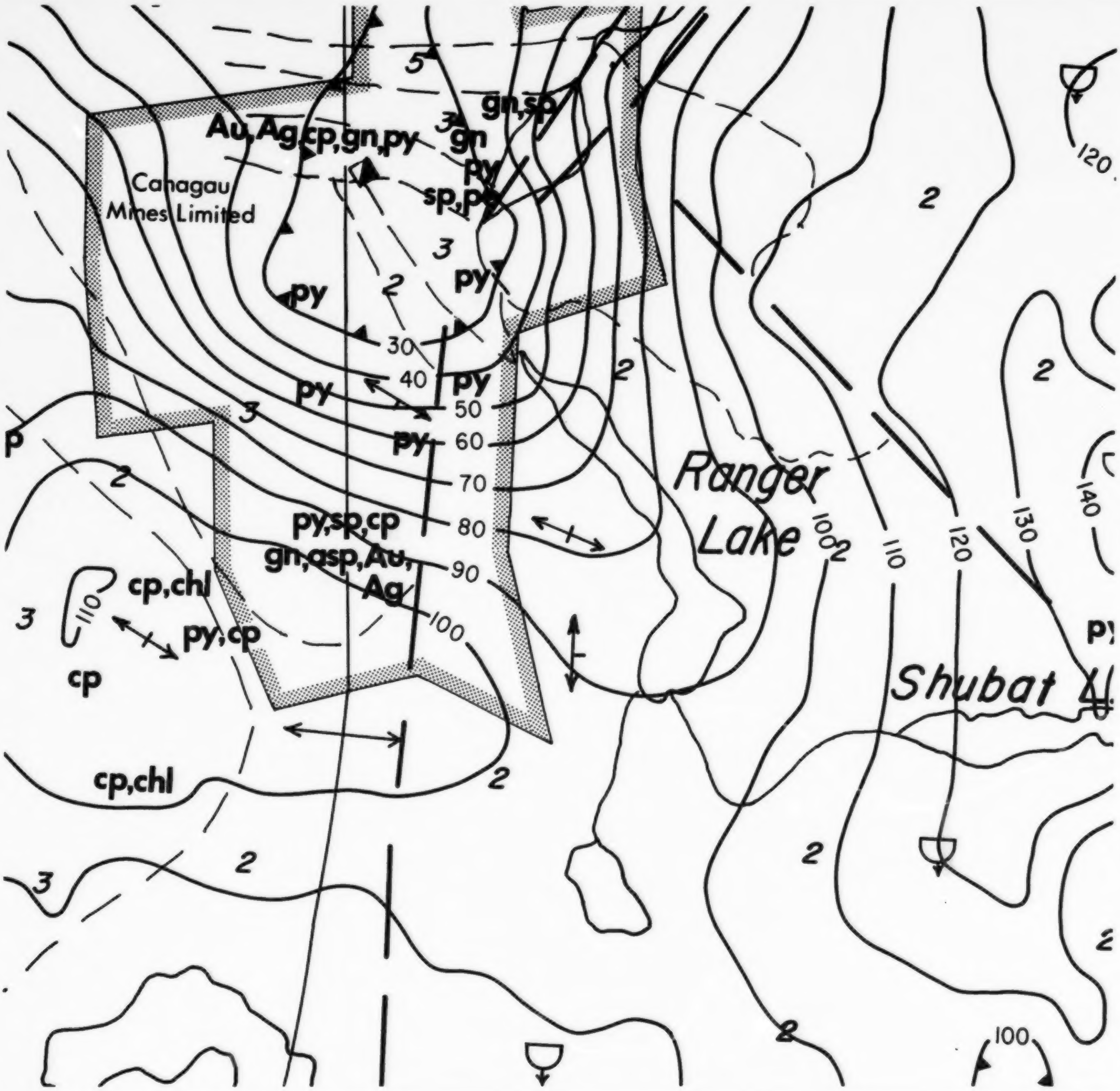
**SCALE**
Varies

**PUBLISHER**
Ontario Ministry of Northern Development and Mines

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**




Canagau Mines Limited
Au,Ag,cp,gn,py
gn,sp
gn
py
sp,py
py
py
py
py
py
5
3
3
2
30
40
50
60
70
80
90
100
110
120
130
140
120
100
py,sp,cp
gn,asp,Au,Ag
cp,chl
py,cp
cp
cp,chl
p
Ranger Lake
Shubat L.
2
3

## GEOCHEMICAL SERIES – PRELIMINARY MAPS

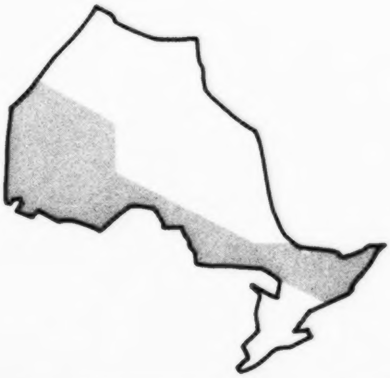
**MAP FEATURES**
Rock types, geological data, mining information including metal and mineral location and concentrations.
- Coloured map

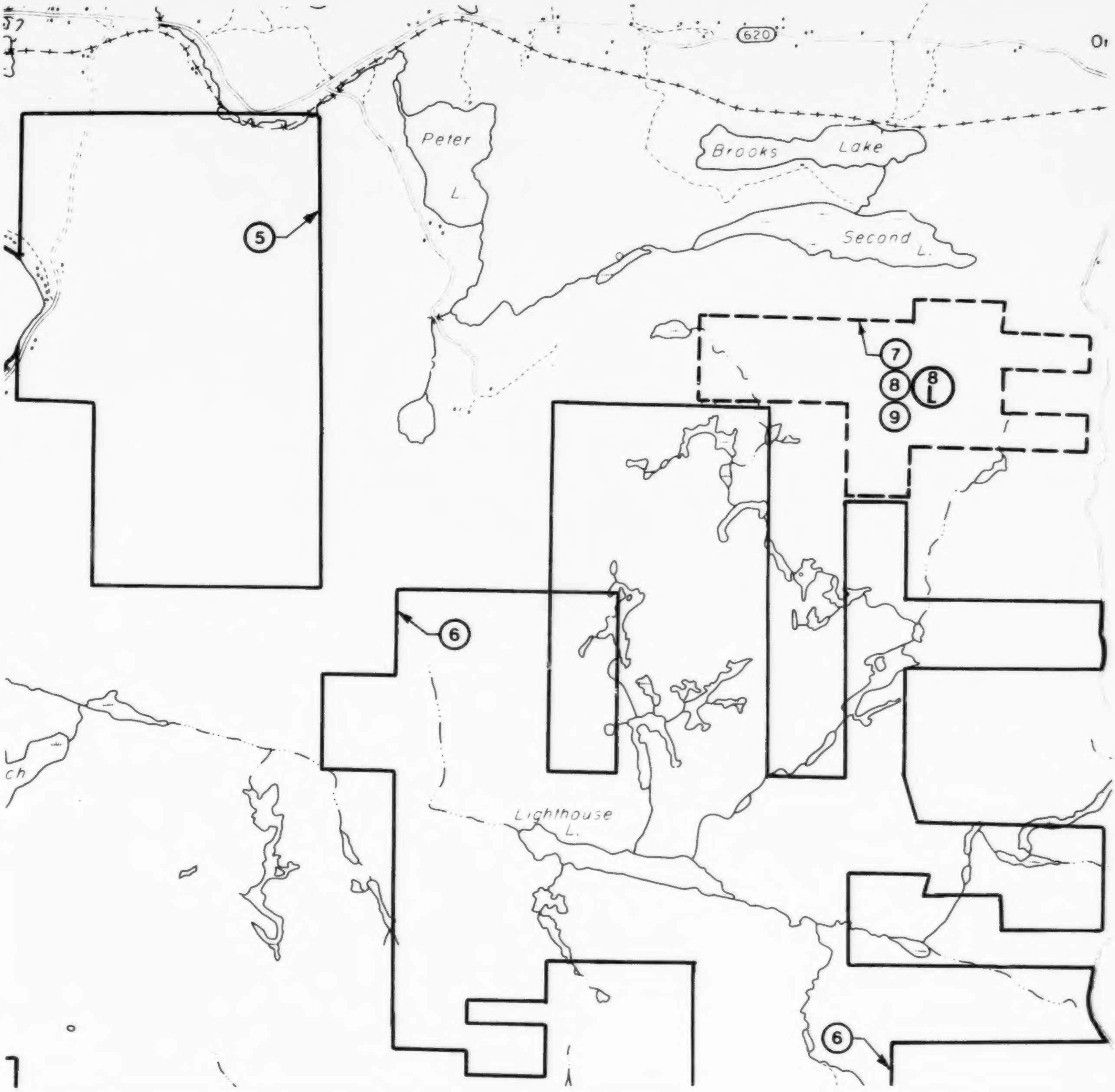
**SCALE**
1:15,840 (1" = ¼ mile)

**PUBLISHER**
Ontario Ministry of Northern Affairs and Mines

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**




620
Or
Peter L.
Brooks Lake
Second L.
Lighthouse L.
ch
5
6
7
8
8 L
9
6

## PROPERTY LOCATION MAP (GEOLOGICAL DATA INVENTORY FOLIO)

**MAP FEATURES**
Property location and exploration data file areas.

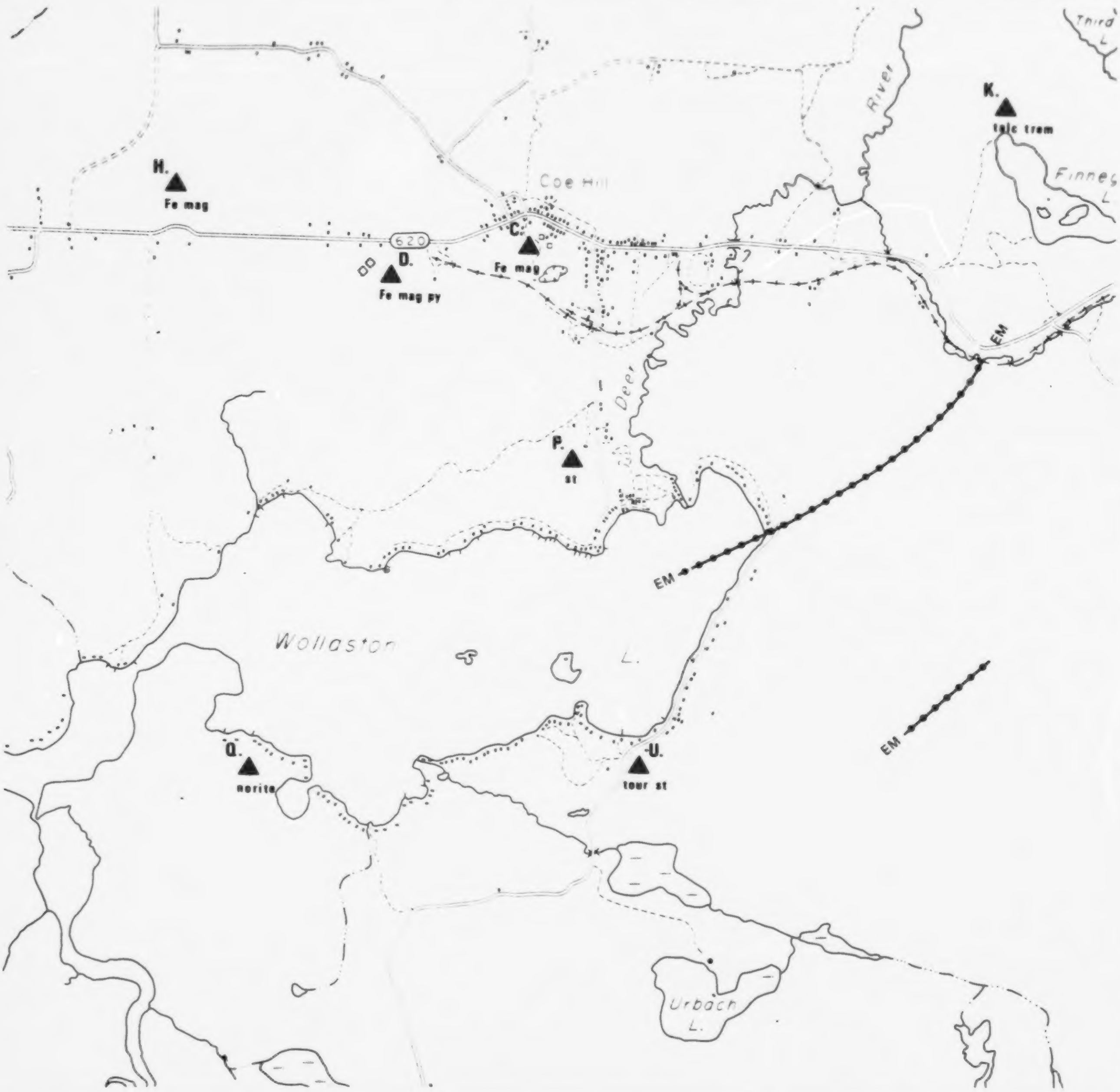
- Black and White map

**SCALE**
1:31,680

**PUBLISHER**
Ontario Ministry of Northern Development and Mines

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**


Third L
K.
talc trem
Finnes L
River
Coe Hill
H.
Fe mag
620
C.
Fe mag
D.
Fe mag py
EM
Deer
P.
st
EM
Wollaston L.
EM
Q.
norite
U.
tour st
Urbach L.

## EXPLORATION DATA MAP (GEOLOGICAL DATA INVENTORY FOLIO)

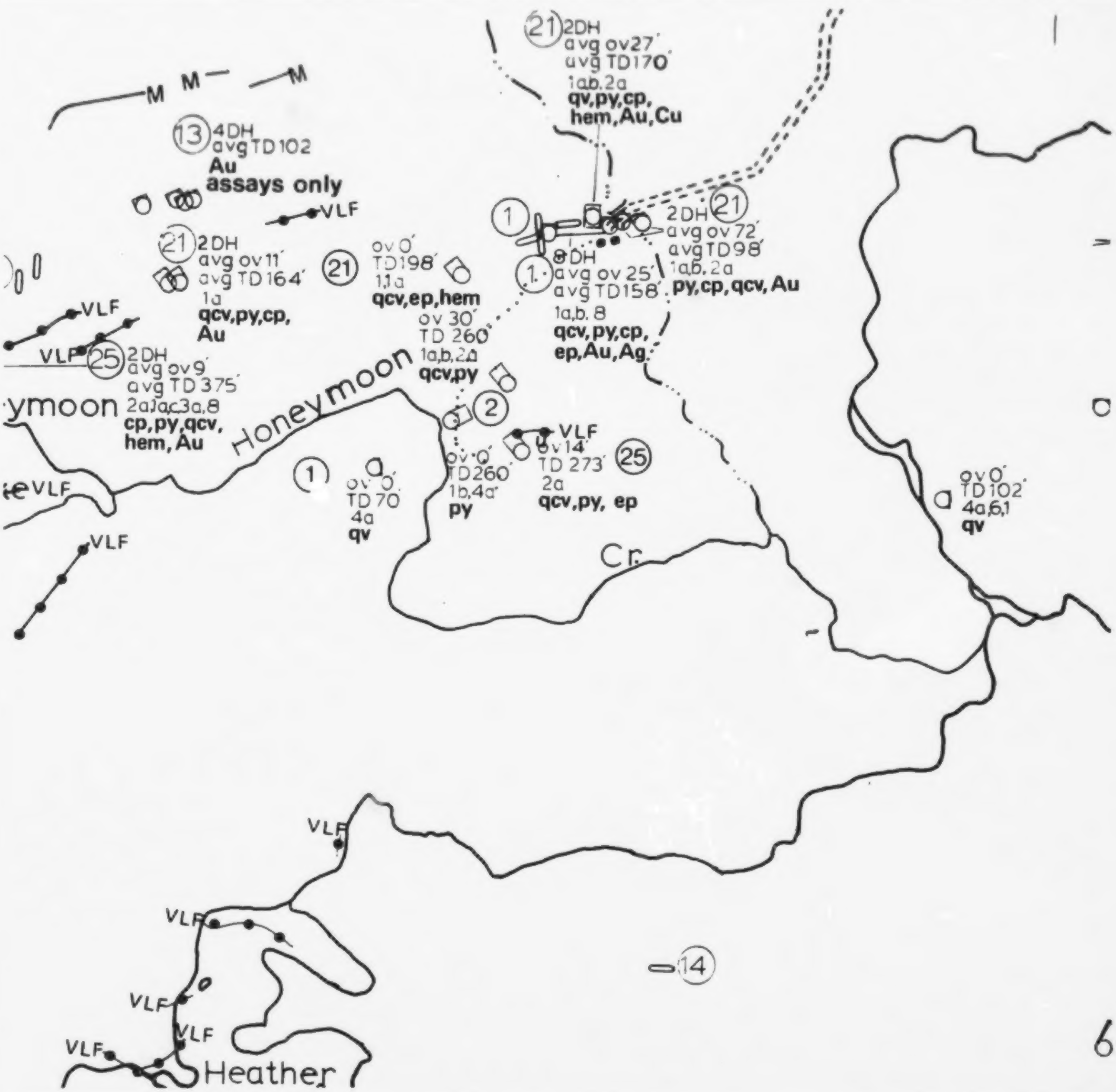
**MAP FEATURES**
Mineral occurrences, drill holes, geochemical and geochronological data, geophysical anomalies and other data such as quarry, sand and/or gravel pit locations.

**SCALE**
1:31,680

**PUBLISHER**
Ontario Ministry of Northern Development and Mines

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**


21 2DH
avg ov27'
avg TD170
1a,b,2a
qv,py,cp,
hem,Au,Cu
M M M
13 4DH
avg TD 102
Au
assays only
VLF
21 2DH
avg ov 11'
avg TD 164'
1a
qcv,py,cp,
Au
21
ov 0'
TD198'
1,1a
qcv,ep,hem
1
2DH 21
avg ov 72'
avg TD98'
1a,b,2a
py,cp,qcv,Au
1
8DH
avg ov 25'
avg TD158'
1a,b,8
qcv,py,cp,
ep,Au,Ag
ov 30'
TD 260
1a,b,2a
qcv,py
VLF
VLF
25 2DH
avg ov 9'
avg TD 375'
2a,1a,c,3a,8
cp,py,qcv,
hem,Au
ymoon
Honeymoon
2
VLF
ov 0'
TD260
1b,4a
py
ov 14'
TD 273'
2a
qcv,py, ep
25
1
ov 0'
TD 70
4a
qv
VLF
VLF
Cr.
ov 0'
TD 102
4a,6,1
qv
6
VLF
VLF
VLF
VLF
VLF
Heather
14

## DATA SERIES PRELIMINARY MAPS

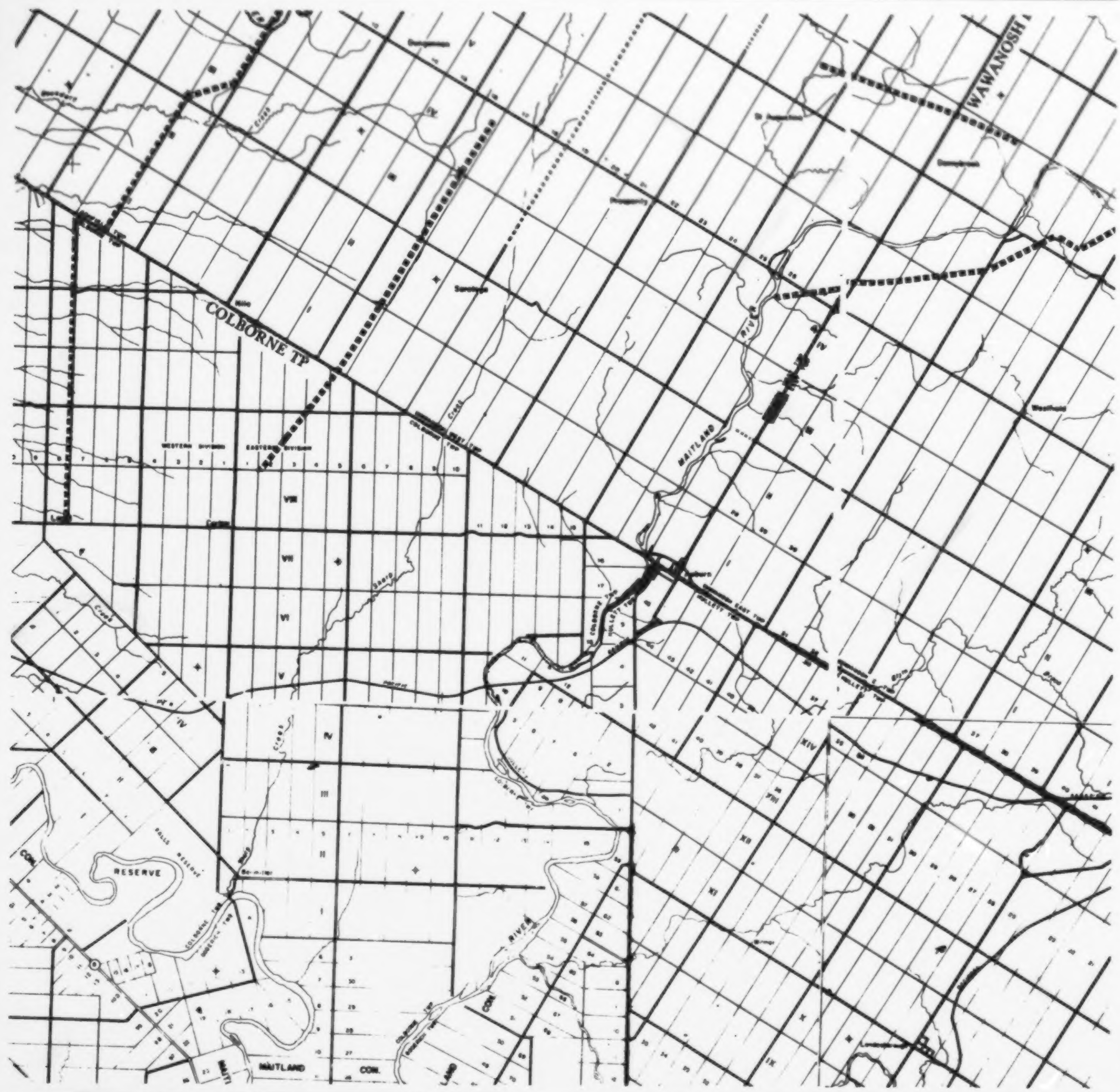
**MAP FEATURES**
Rock types, geological data, mining data such as drill holes, shaft depth, trenching, mining companies and types of mining.

**SCALE**
1:15,840

**PUBLISHER**
Ministry of Natural Resources and Ministry of Northern Development and Mines

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**


WAWANOSH
COLBORNE TP
MAITLAND
River
RESERVE
MAITLAND
CON.
RIVER
WESTERN DIVISION
EASTERN DIVISION

## PETROLEUM RESOURCES MAPS

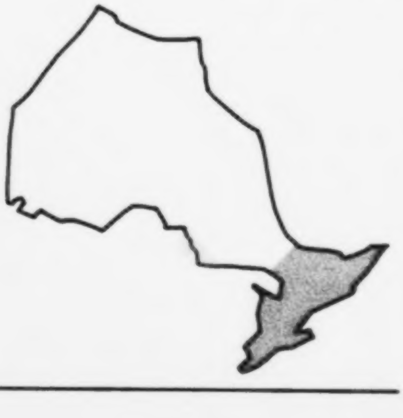
**MAP FEATURES**
Petroleum company lines, seismic lines, gas and oil producer holes.

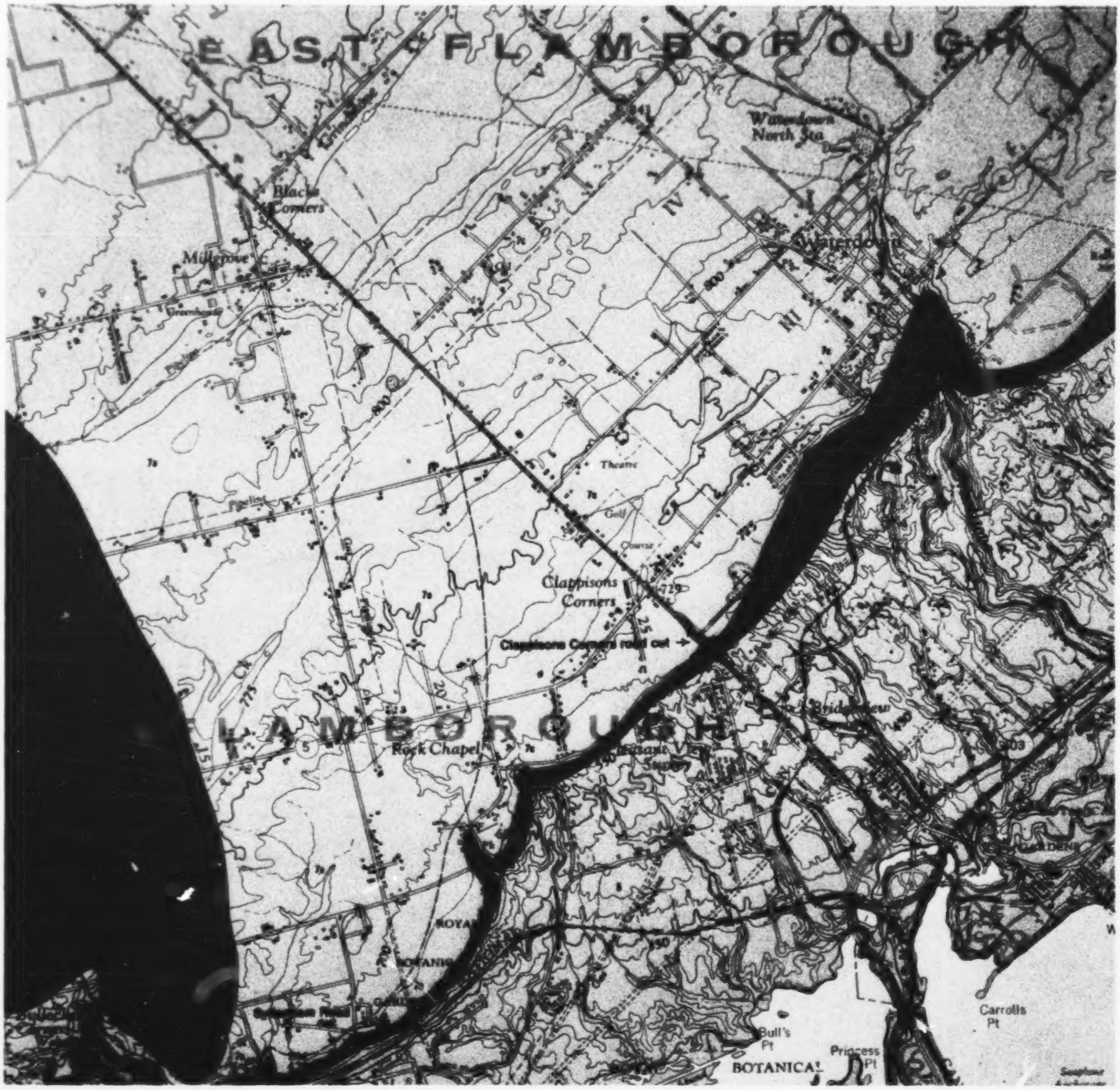
**SCALE**
1:100,000

**PUBLISHER**
Ontario Ministry of Northern Development and Mines

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**




EAST FLAMBOROUGH
Waterdown North Sta
Blacks Corners
Millgrove
Waterdown
Pipeline
Theatre
Golf Course
Clappisons Corners
Clappisons Corners road cut
FLAMBOROUGH
Rock Chapel
Bull's Pt
Princess Pt
BOTANICAL
Carrolls Pt

## PALEOZOIC AND MESOZOIC GEOLOGY

**MAP FEATURES**
Paleozoic and mesozoic geology, county, regional, municipal and geographic township boundaries, topographic contours, bedrock outcrops, population centres, roads, railroads, pipelines, dams and cemeteries (Base Map NTS).

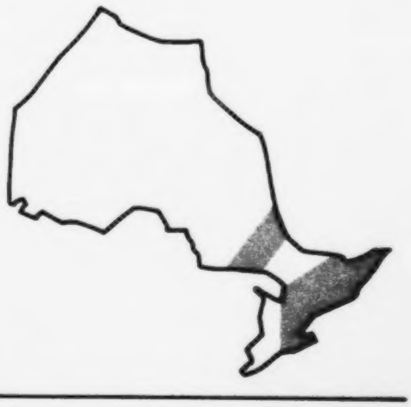
- Coloured map

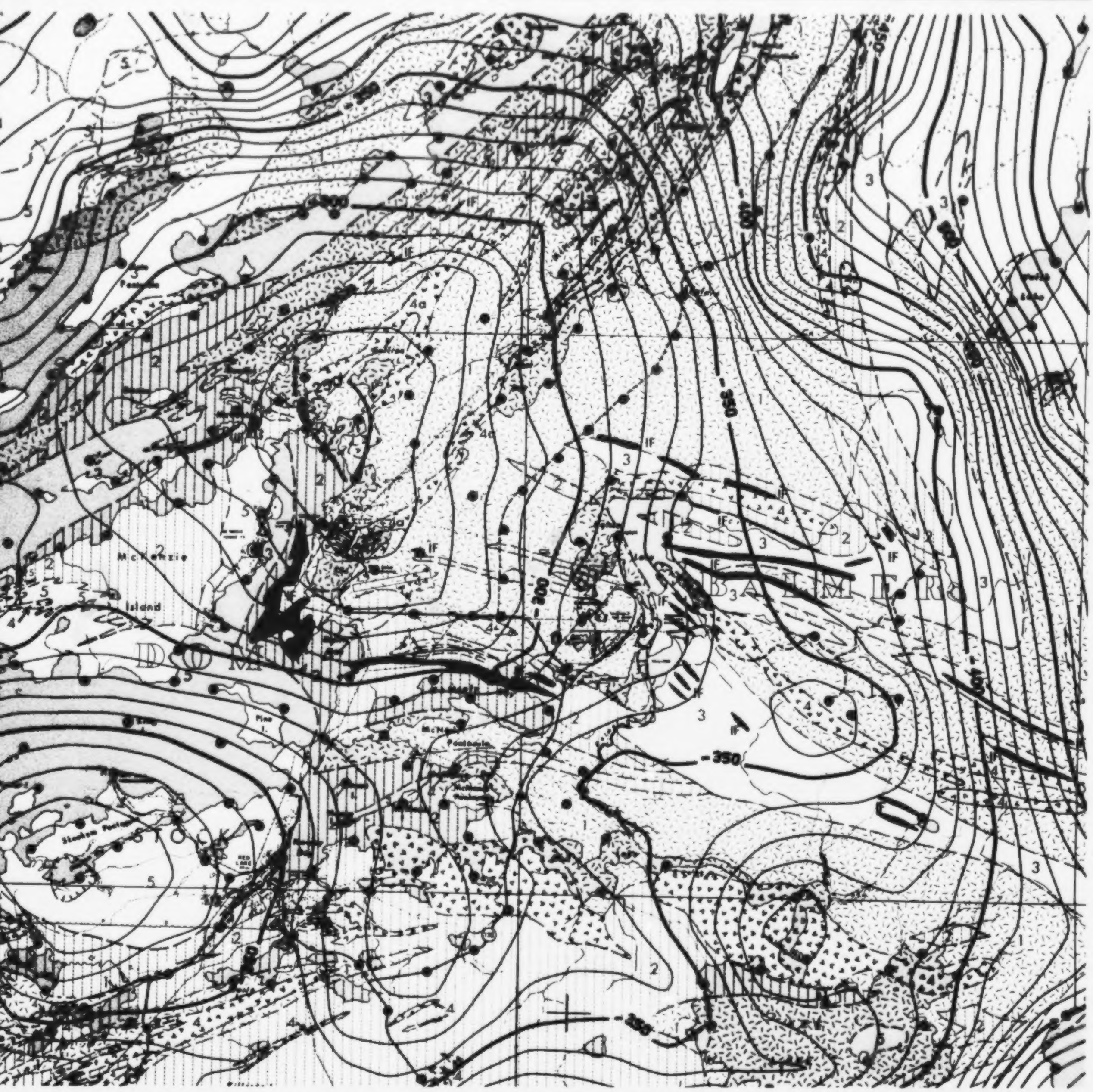
**SCALE**
1:50,000

**PUBLISHER**
Ontario Ministry of Northern Development and Mines

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**




350
400
200
IF
McKenzie
Island
DOME
BALMER
-350
3
2
1
4
5

## EOPHYSICAL SERIES PRELIMINARY MAP

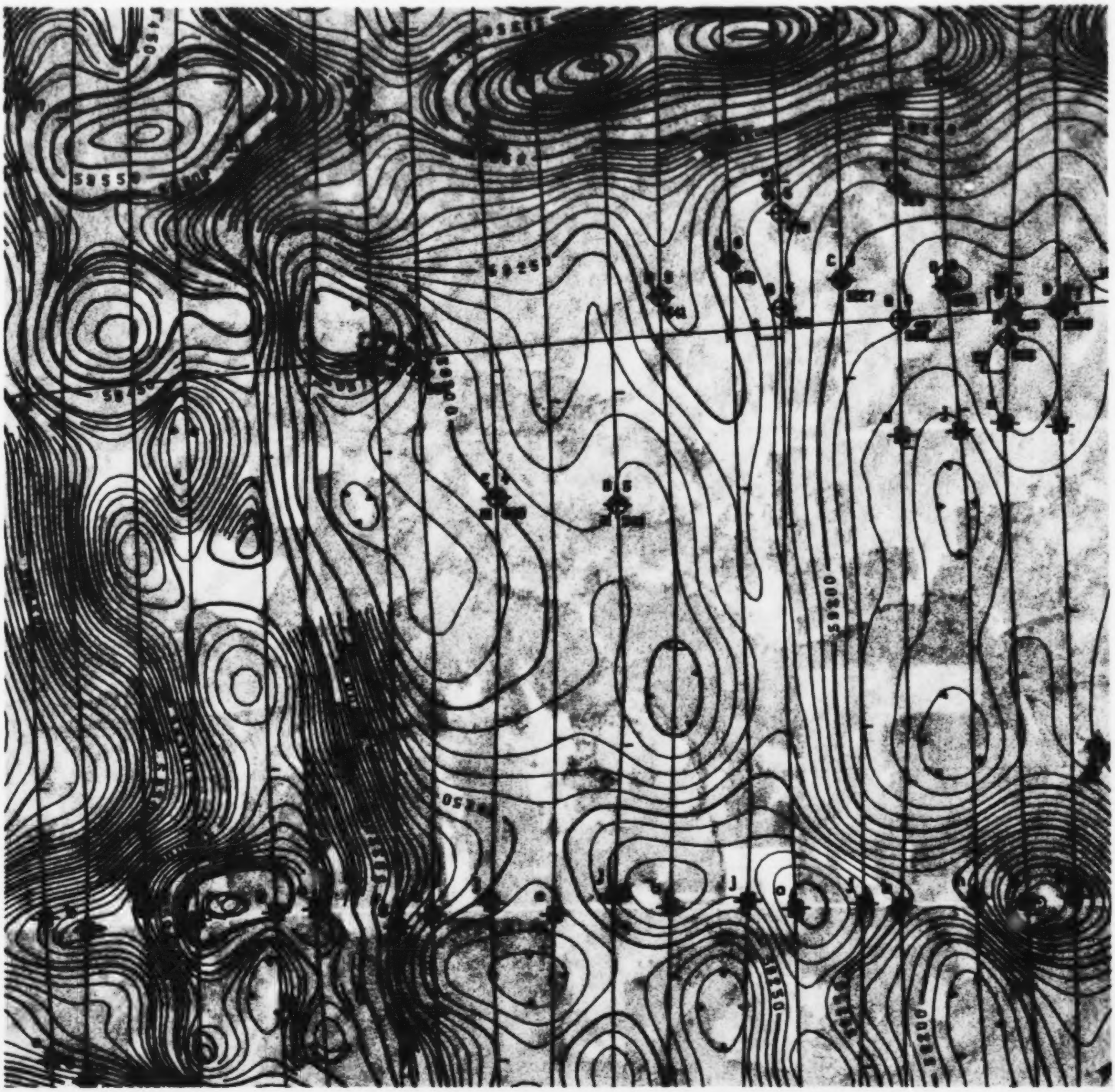
**AP FEATURES**
ecambrian deposits, fault and cataclastic ones, gravity data and geological bounda-es.
Coloured map

**CALE**
100,000

**PUBLISHER**
Ontario Ministry of Northern Development and Mines

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**



## GEOPHYSICAL-GEOCHEMICAL 80,000 SERIES MAPS

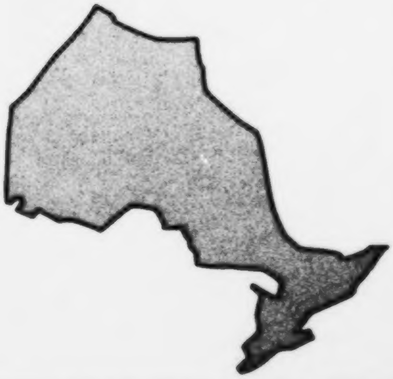
**MAP FEATURES**
Magnetic contours and depressions.
- Coloured map

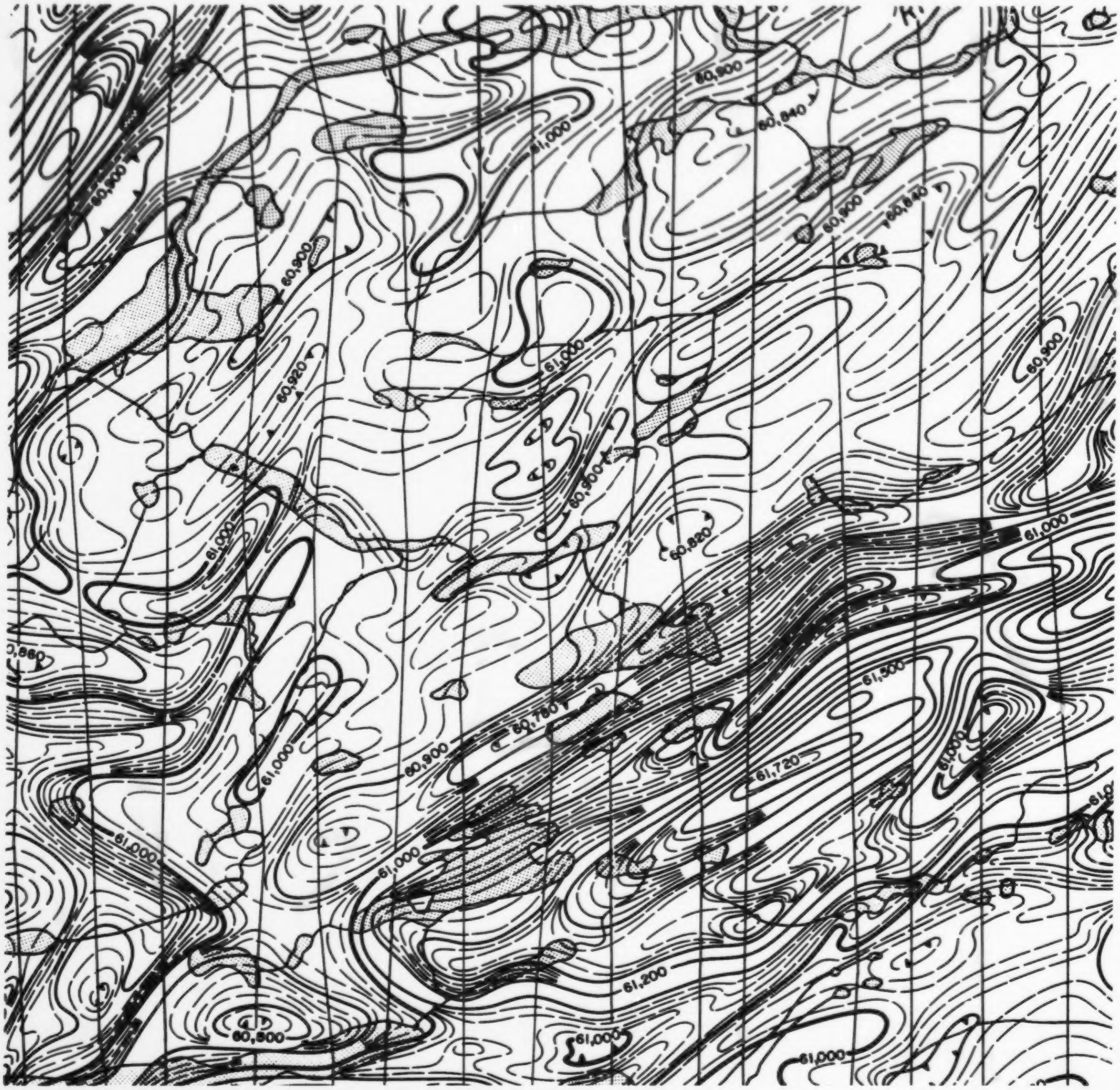
**SCALE**
1:20,000

**PUBLISHER**
Ontario Ministry of Northern Development and Mines

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**




60,900
60,840
61,000
60,920
60,800
60,820
60,960
61,500
60,780
61,720
61,200

## AEROMAGNETIC SERIES MAPS

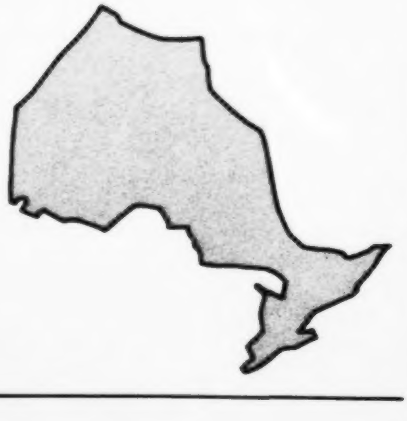
**MAP FEATURES**
Magnetic contours, rock bodies, faults, folds and other structural features.

**SCALE**
1:63,360

**PUBLISHER**
Ontario Ministry of Natural Resources

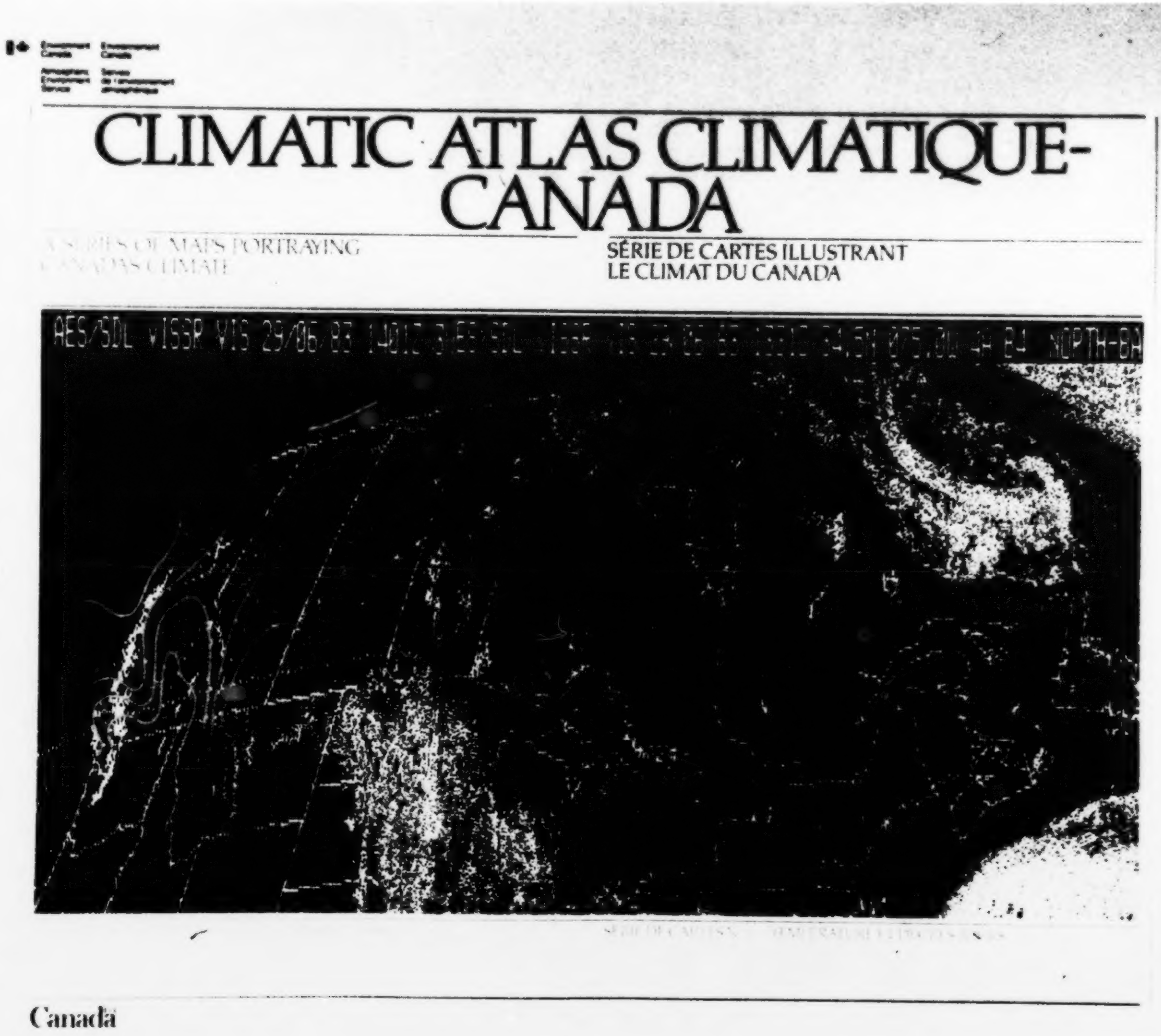
**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**



# CLIMATE

| title | scale | page |
|---|---|---|
| Climatic Atlas | Varies | 111 |
| Solar Radiation Data Analysis for Canada | 1:20,000,000 | 112 |



# CLIMATIC ATLAS CLIMATIQUE-CANADA

A SERIES OF MAPS PORTRAYING
CANADA'S CLIMATE

SÉRIE DE CARTES ILLUSTRANT
LE CLIMAT DU CANADA

Canadä

## CLIMATIC ATLAS – A SERIES OF MAPS PORTRAYING CANADA'S CLIMATE

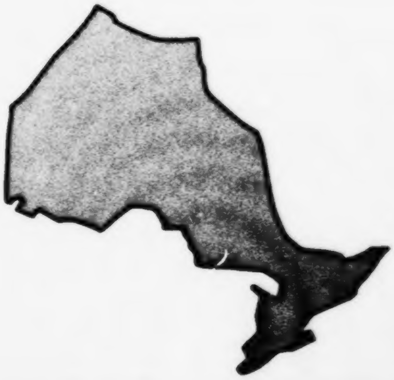
**MAP FEATURES**
Each constituent of the climate, such as wind, is presented on a map within which the distribution of means, extremes and frequencies are shown for each month and for the year.

**SCALE**
Varies

**PUBLISHER**
Environment Canada – Atmospheric Environment Service

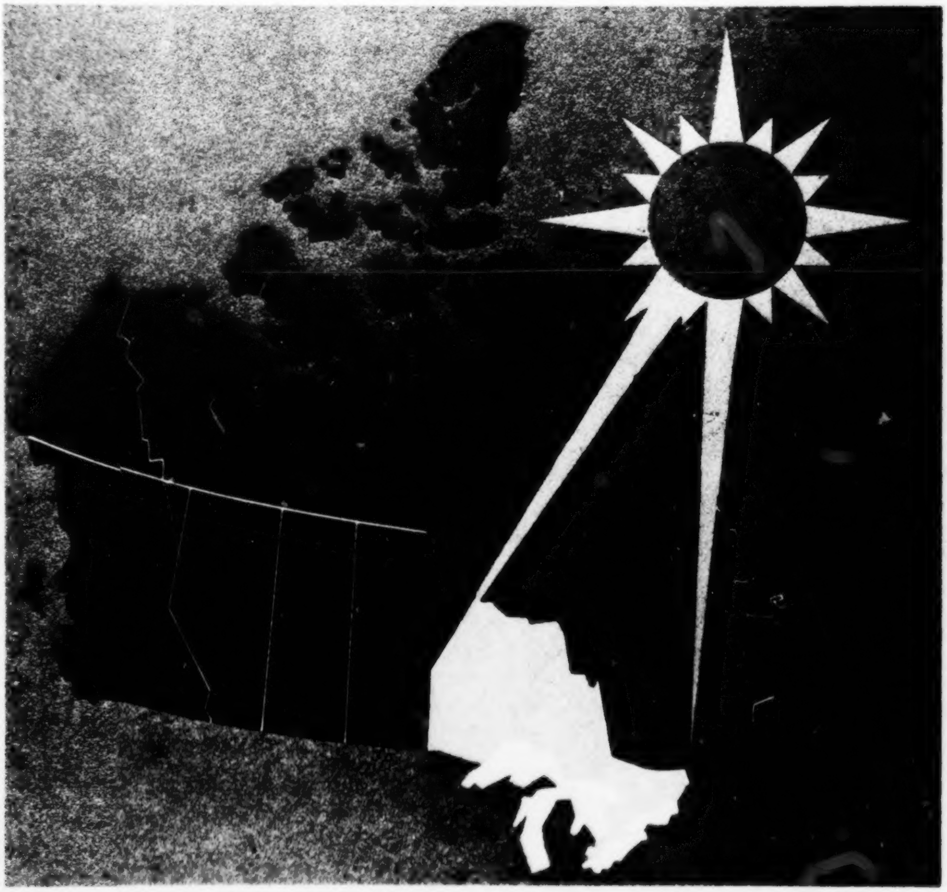
**SOURCE**
Environment Canada – Atmospheric
Environment Service
4905 Dufferin Street
Downsview, Ontario
M3H 5T4
Tel. (416) 667-4882

**COVERAGE**



## SOLAR RADIATION DATA ANALYSES FOR CANADA 1967-1976

### Volume 3: Ontario



## ANALYSE DES DONNÉES SUR LE RAYONNEMENT SOLAIRE POUR LE CANADA 1967-1976

### Volume 3: Ontario

## *SOLAR RADIATION DATA ANALYSES FOR CANADA 1967-76 ONTARIO*

**MAP FEATURES**
Mean daily global and annual solar radiation incident on horizontal, south facing and tilted surfaces.

**SCALE**
1:20,000,000

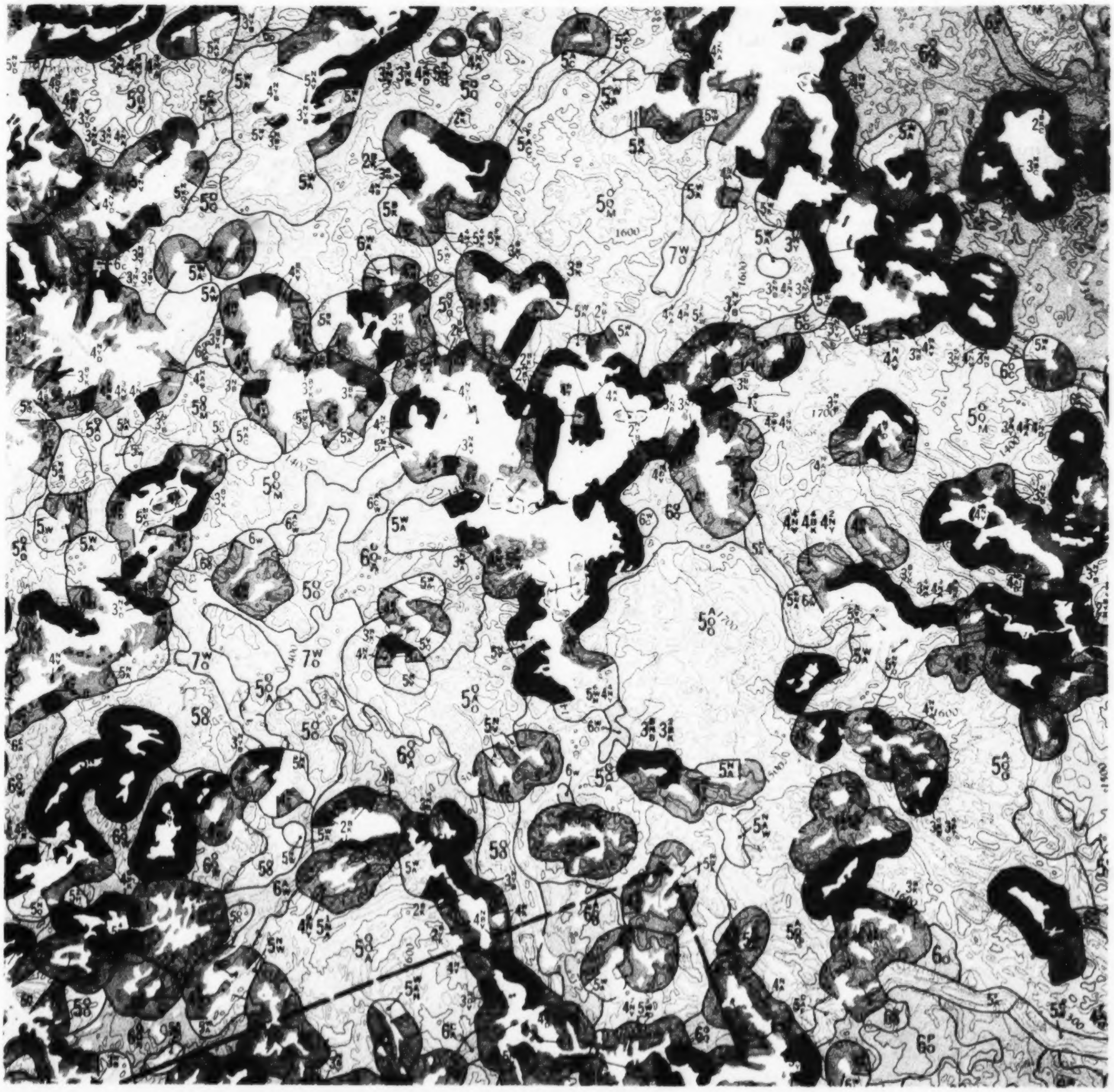
**PUBLISHER**
Environment Canada - Atmospheric Environment Service

**SOURCE**
Environment Canada - Atmospheric Environment Service
4905 Dufferin Street
Downsview, Ontario
M3H 5T4
Tel. (416) 667-4882

**COVERAGE**

# RECREATION

| title | scale | page |
|---|---|---|
| Land Capability for Recreation (Canada Land Inventory) | 1:250,000 | 115 |
| Land Capability for Shoreland Recreation (Canada Land Inventory) | 1:15,840 | 116 |
| Trout and Salmon Migratory Routes | | |
| Northern Ontario | 1:1,009,920<br>(1" = 16 miles) | 117 |
| Southern Ontario | 1:757,440<br>(1" = 12 miles) | 117 |
| District Maps | 1:125,000 | 118 |
| Canoe Route Maps | 1:126,240<br>(1" = 2 miles) | 119 |
| Fishing Maps | Varies | 120 |
| Provincial Parks | 1:20,000 | 121 |
| Midwestern Ontario Outdoor Recreation Map | 1:300,000 | 121 |



## LAND CAPABILITY FOR RECREATION (CANADA LAND INVENTORY)

**MAP FEATURES**
Assessment of quantity, quality and distribution of the natural recreation resources. Land is classified on the basis of the intensity of outdoor recreational uses into seven classes and subsequent subclasses.

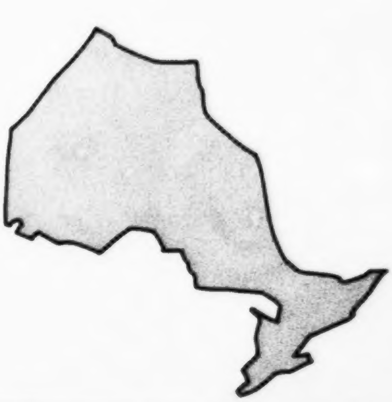
- Coloured map

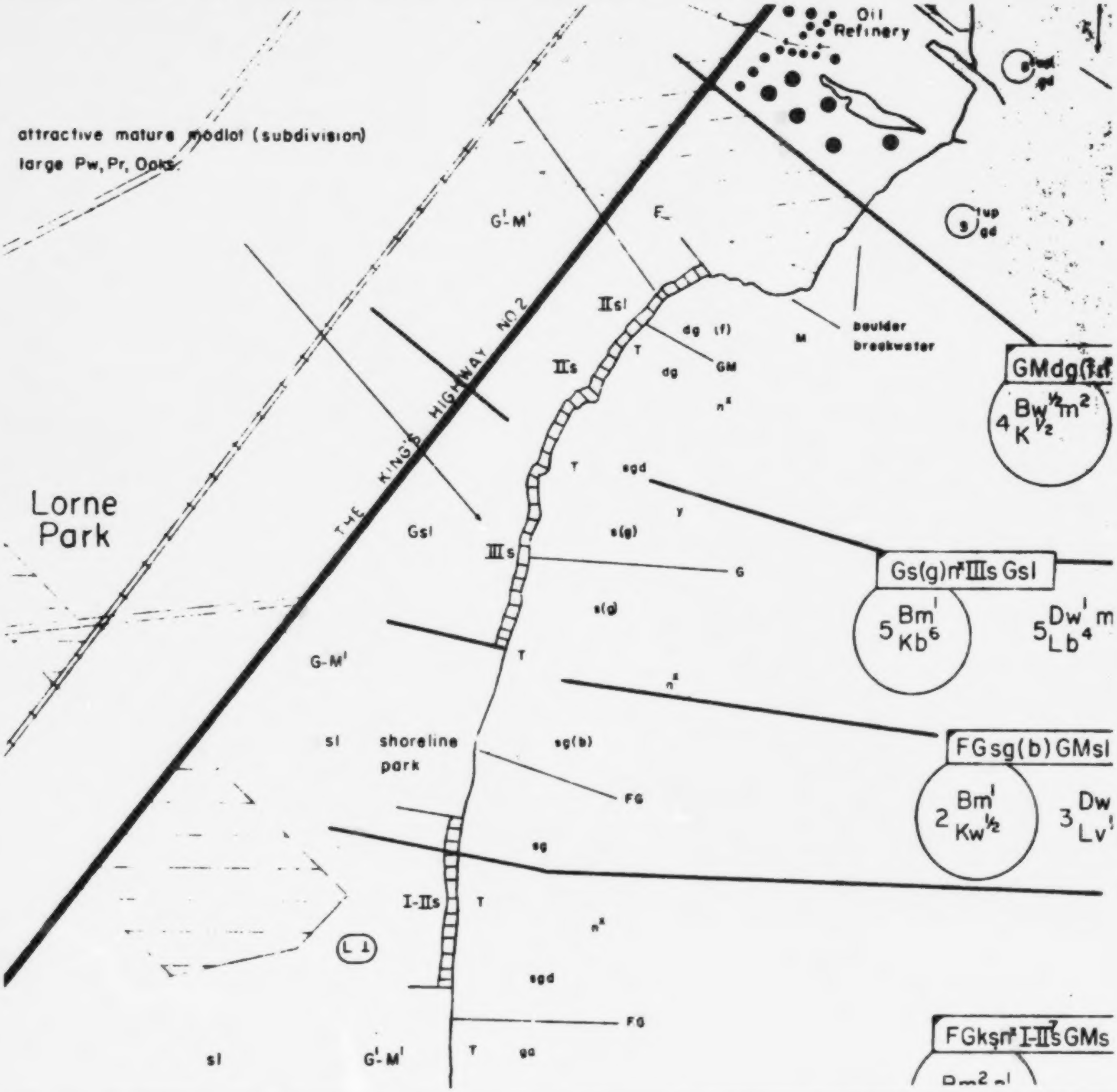
**SCALE**
1:250,000

**PUBLISHER**
Department of the Environment
Department of Energy, Mines and Resources

**SOURCE**
Department of Energy, Mines and Resources
Canada Map Office
615 Booth Street
Ottawa, Ontario
K1A 0E9
Tel. (613) 998-3865

**COVERAGE**




Oil Refinery
attractive mature modlot (subdivision)
large Pw, Pr, Oaks
Lorne Park
THE KING'S HIGHWAY NO. 2
G-M
F
IIsl
IIs
IIIs
I-IIs
dg (f)
dg
GM
M
boulder breakwater
GMdg
4 Bw m K
sgd
s(g)
Gsl
G
Gs(g)m IIIs Gsl
5 Bm Kb
5 Dw m Lb
G-M
sl
shoreline park
sg(b)
FG
FGsg(b) GMsl
2 Bm Kw
3 Dw Lv
sg
T
sgd
FG
FGksm I-IIs GMs
sl
G-M
ga

## LAND CAPABILITY FOR SHORELAND RECREATION (ONTARIO LAND INVENTORY)

**MAP FEATURES**

Description and evaluation of the capability of the shoreland for two major recreational uses: organized camping and lodging or cottaging.

- Black and White map

**SCALE**

1:15,840

**PUBLISHER**

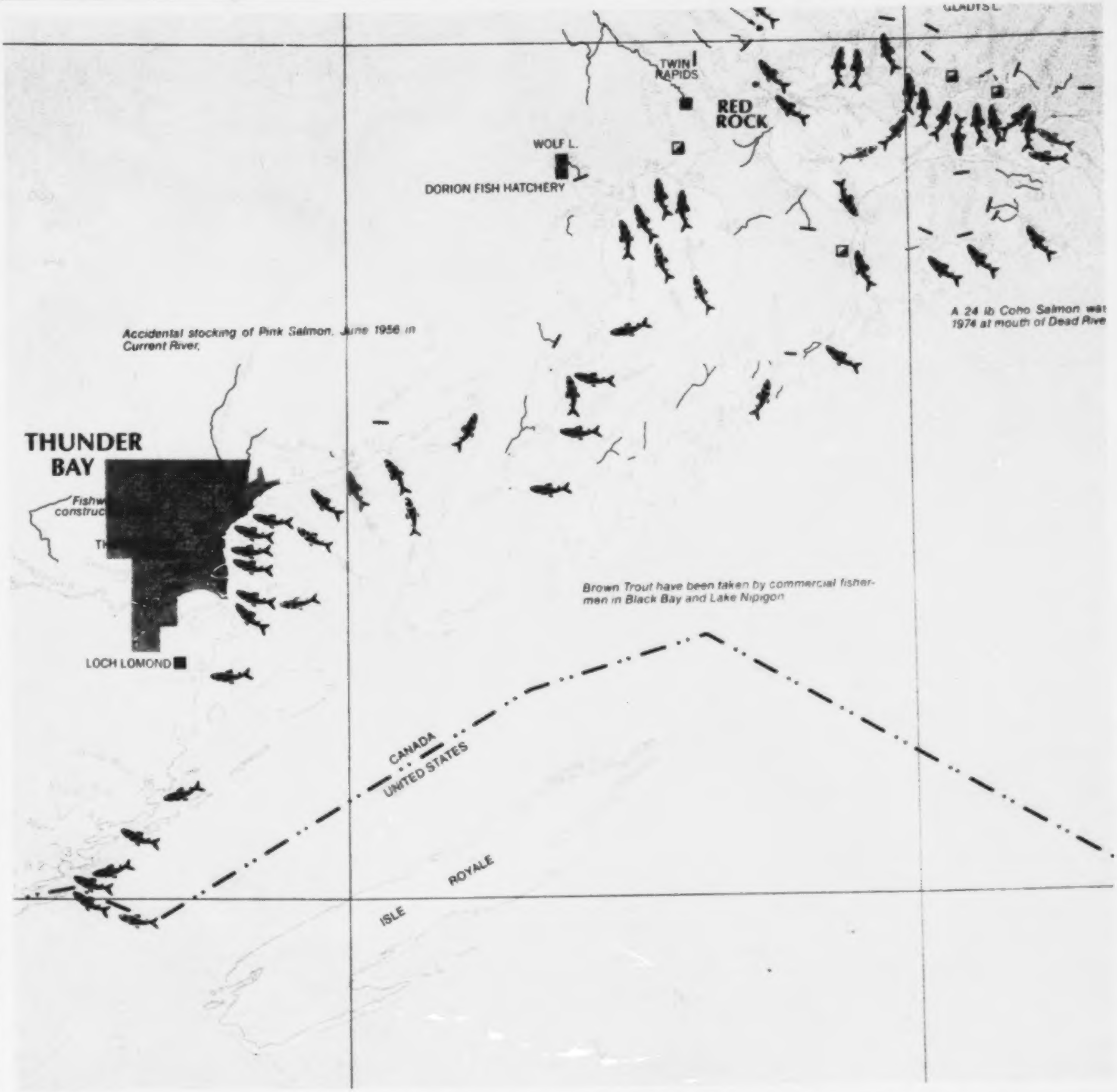
Ontario Ministry of Natural Resources

**SOURCE**

Department of Energy, Mines and Resources
Canada Map Office
615 Booth Street
Ottawa, Ontario
K1A 0E9
Tel. (613) 998-3865

Ontario Ministry of Natural Resources
Ontario Centre for Remote Sensing
880 Bay Street
3rd Floor
Toronto, Ontario
M5S 1Z8
Tel. (416) 965-8411

**COVERAGE**


GLADYS L.
TWIN RAPIDS
RED ROCK
WOLF L.
DORION FISH HATCHERY
A 24 lb Coho Salmon was
1974 at mouth of Dead Rive
Accidental stocking of Pink Salmon, June 1956 in Current River.
THUNDER BAY
Fishw
construc
LOCH LOMOND
Brown Trout have been taken by commercial fishermen in Black Bay and Lake Nipigon
CANADA
UNITED STATES
ISLE
ROYALE

## TROUT AND SALMON MIGRATORY ROUTES

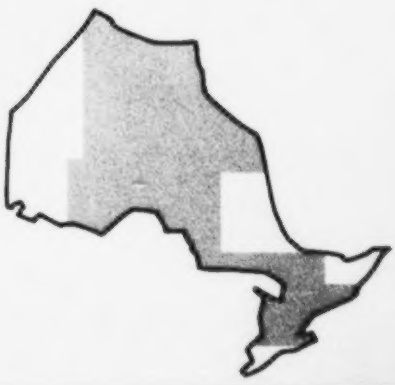
**MAP FEATURES**
Show former, present and potential migration routes of 9 trout and salmon species. Details for 187 streams in the province.
- Coloured Map

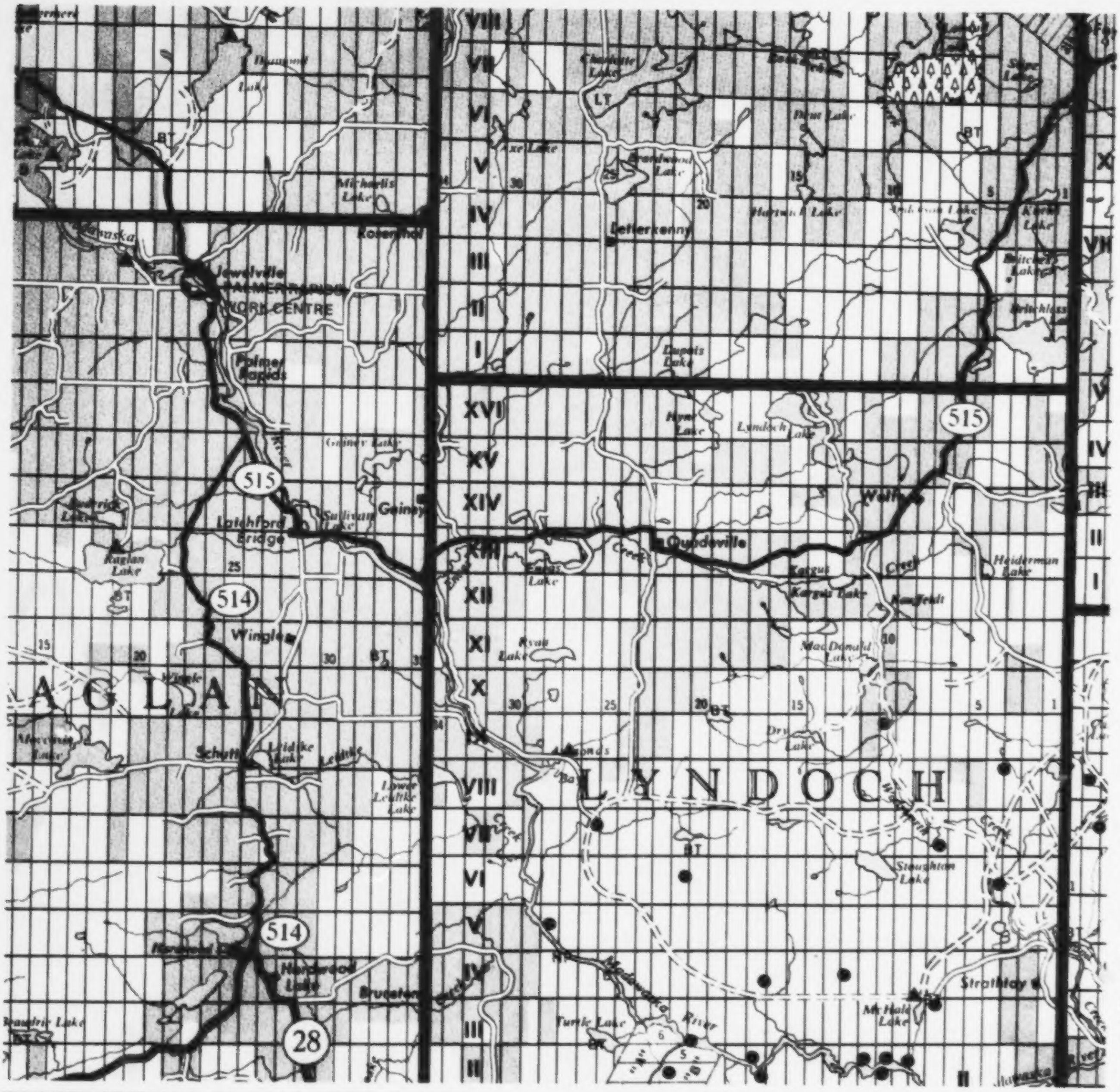
**SCALE**
1:760,320 (1" = 12 miles) - (Southern Ontario)
1:1,009,920 (1" = 16 miles) - Northern Ontario

**PUBLISHER**
Ontario Ministry of Natural Resources

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontaric
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**




Jewelville
Palmer Rapids
Work Centre
Palmer Rapids
515
Latchford Bridge
Gainey
Raglan Lake
514
Wingle
Schutt
514
Hardwood Lake
Brudenell
28
Turtle Lake
Letterkenny
Michaelis Lake
Charlotte Lake
Brandwood Lake
Dupuis Lake
Lyndoch Lake
Quadeville
Kargus Lake
Ryan Lake
MacDonald Lake
Dry Lake
Stoughton Lake
McHale Lake
Heiderman Lake
Strathlay
Madawaska River
LYNDOCH
AGLAN

## DISTRICT MAPS

**MAP FEATURES**
Patented (private) land, crown land, provincial parks, forests, Ministry work centres, hunt camps, recreation trails, canoe routes, public access to water, parking areas, fish species.

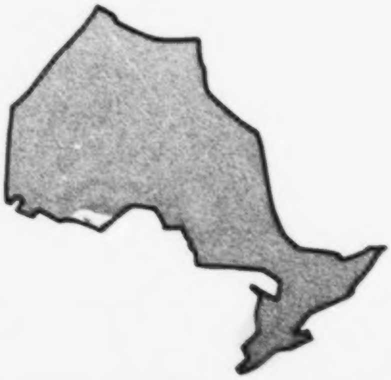
- Coloured map

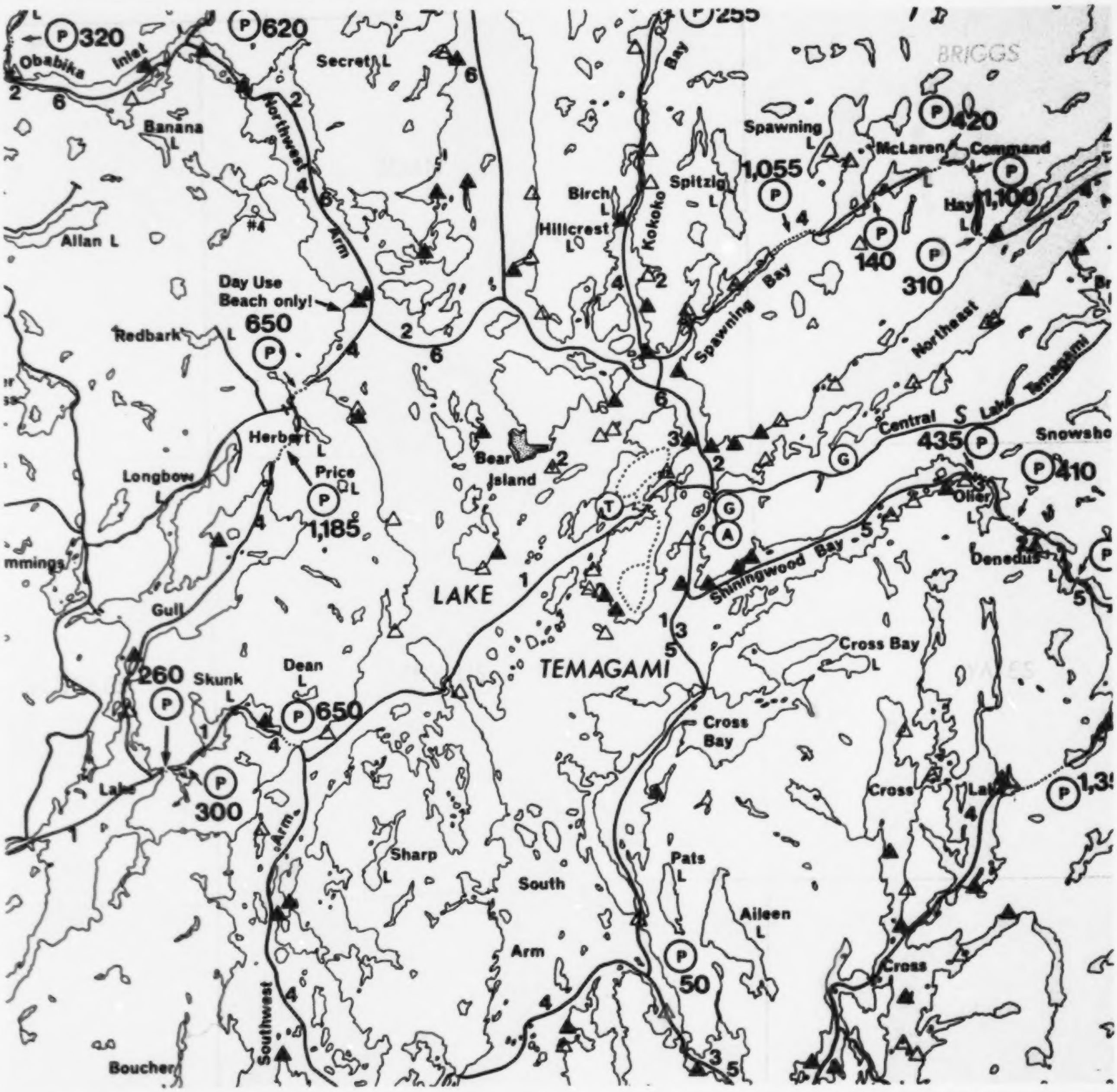
**SCALE**
1:125,000

**PUBLISHER**
Ministry of Natural Resources

**SOURCE**
Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**




Obabika Inlet
320
620
Secret L
255
BRIGGS
Banana L
Northwest Arm
Spawning L
420
McLaren
Command
Birch L
Spitzig L
1,055
Kokoko Bay
Hay L
1,100
Allan L
#4
Hillcrest L
140
310
Day Use Beach only!
650
Redbark L
Spawning Bay
Northeast Arm
Central Lake Temagami
Snowshoe
Herbert L
Price L
Bear Island
435
410
Longbow L
1,185
Shiningwood Bay
Olier L
Denedus L
mmings
LAKE
TEMAGAMI
Gull
Cross Bay L
260
Skunk L
Dean L
650
Cross Bay
Lake
300
Cross Lake
1,35
Arm
Sharp L
South Arm
Pats L
Aileen L
Cross
50
Southwest Arm
Boucher

## *Canoe Route Maps*

**MAP FEATURES**
Route distances, available sport fish species, hiking trails, campsites, garbage dumps, natural features, park history, rapids, portages, direction and flow of water and areas of danger.

- Coloured map

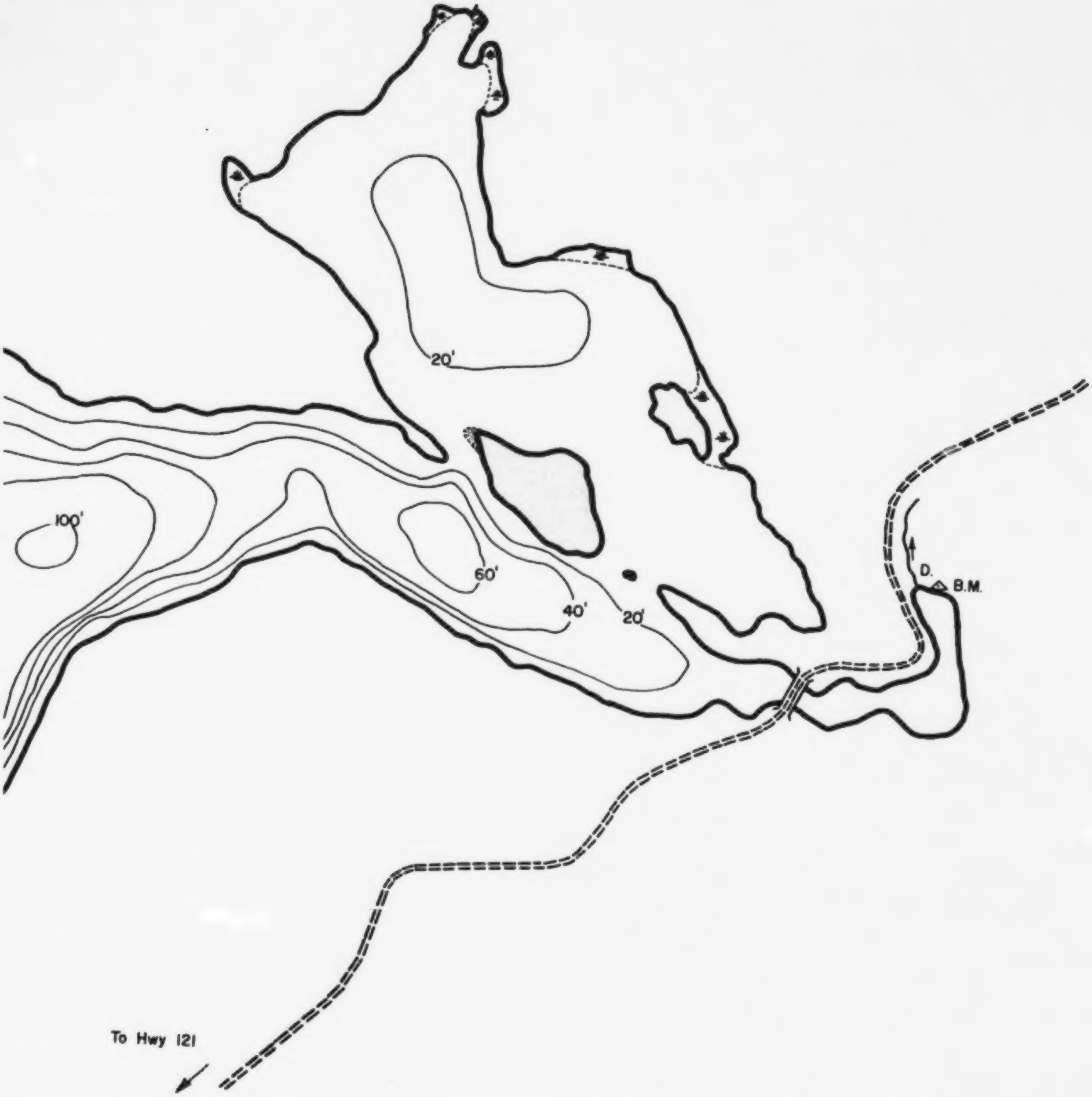
**SCALE**
1:126,720 (1" = 2 miles)

**PUBLISHER**
Ontario Ministry of Natural Resources

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**

Charleston Lake—Gananoque Lake
Algonquin Provincial Park
Temagami Area
Quetico Provincial Park
Killarney Provincial Park



20'
100'
60'
40'
20'
D.
B.M.
To Hwy 121

## Fishing Maps

**MAP FEATURES**
Lake characteristics, location, access, water depth, temperature and fish species.

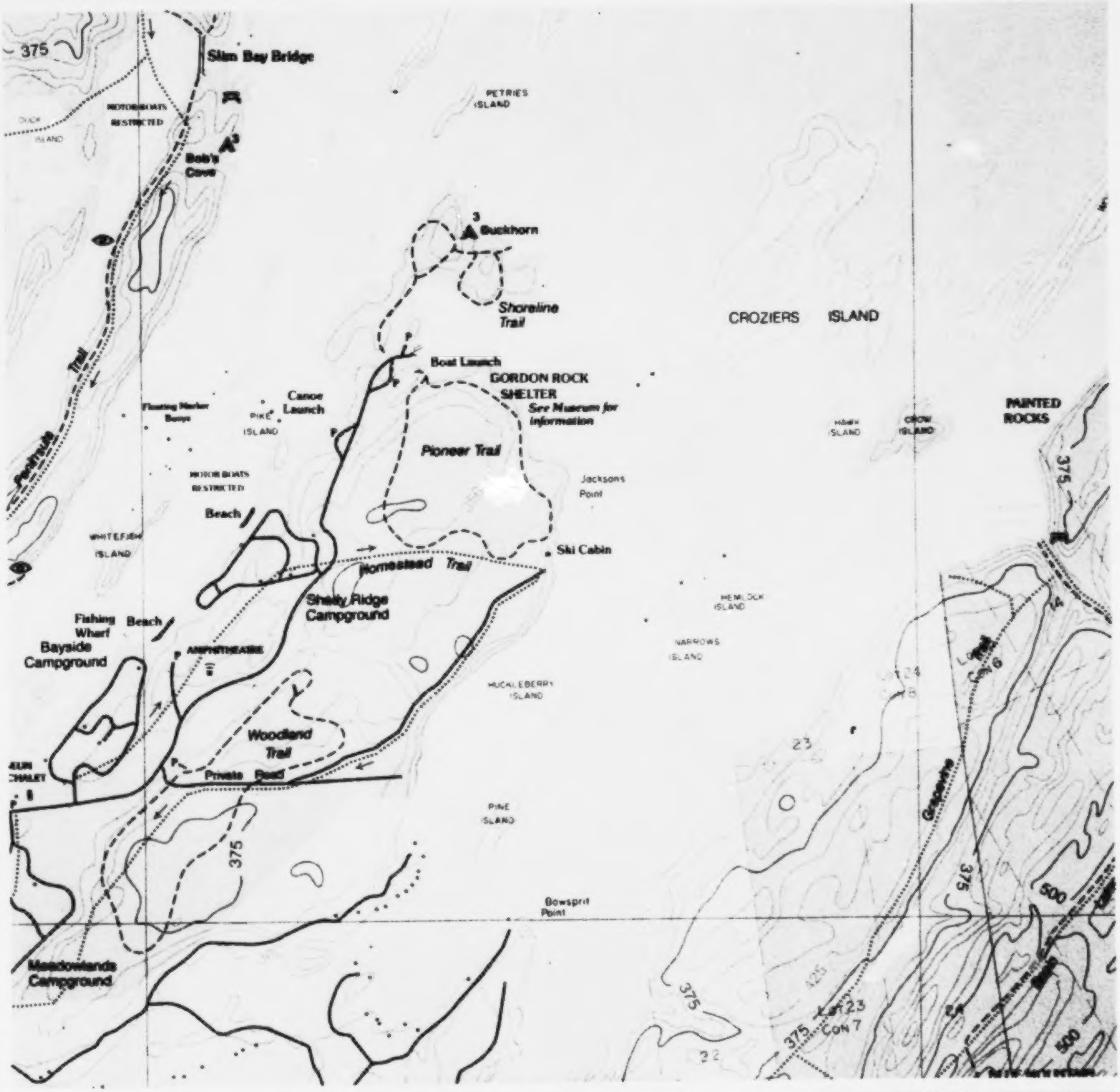
**SCALE**
Varies

**PUBLISHER**
Ontario Ministry of Natural Resources

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**

550 lakes in Ontario


375
Slim Bay Bridge
MOTOR BOATS RESTRICTED
DUCK ISLAND
Bob's Cove
PETRIES ISLAND
Buckhorn
Shoreline Trail
CROZIERS ISLAND
Peninsula Trail
Boat Launch
GORDON ROCK SHELTER
See Museum for information
Floating Marker Buoys
Canoe Launch
PIKE ISLAND
Pioneer Trail
HAWK ISLAND
CROW ISLAND
PAINTED ROCKS
MOTOR BOATS RESTRICTED
Jacksons Point
Beach
WHITEFISH ISLAND
Ski Cabin
Homestead Trail
Shelly Ridge Campground
HEMLOCK ISLAND
Fishing Wharf
Beach
Bayside Campground
AMPHITHEATRE
NARROWS ISLAND
Lot 24 Con 6
HUCKLEBERRY ISLAND
Woodland Trail
23
Grapevine
Private Road
PINE ISLAND
375
Bowsprit Point
500
Meadowlands Campground
375
Lot 23 Con 7
22
500

---

## Provincial Park Maps

**MAP FEATURES**
Boundaries of provincial parks, hiking, snowmobile and cross country ski trails, picnic and campsites, scenic lookouts, marshes, swamps, private lands, elevation contours, buildings and roads.

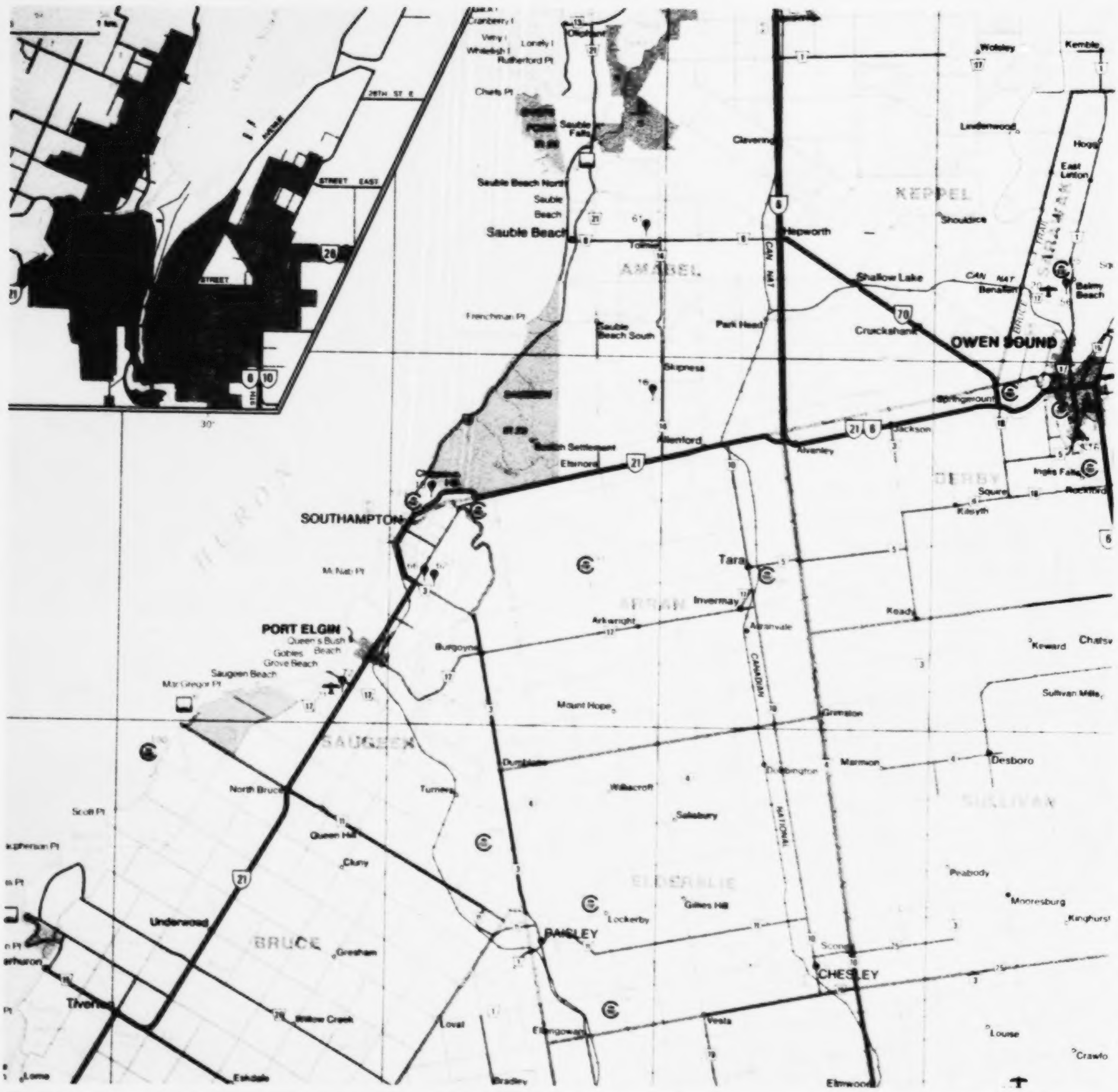
- Coloured map

**SCALE**
1:20,000

**PUBLISHER**
Ontario Ministry of Natural Resources

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1348

**COVERAGE**



Sauble Beach
Sauble Beach North
Sauble Beach South
Hepworth
Shallow Lake
OWEN SOUND
Springmount
Jackson
Allenford
Elsinore
SOUTHAMPTON
PORT ELGIN
Saugeen Beach
North Bruce
Underwood
Tiverton
Tara
Invermay
Arkwright
Burgoyne
Mount Hope
Dunblane
Turners
Queen Hill
Cluny
Gresham
PAISLEY
Lockerby
Gillies Hill
CHESLEY
Elmwood
Vesta
Ellengowan
Williscroft
Salisbury
Desboro
Marmion
Keady
Kilsyth
Rockford
Inglis Falls
Wolseley
Kemble
Lindenwood
Clavering
Shouldice
Cruickshank
Park Head
Skipness
Peabody
Mooresburg
Louise
Keward
Sullivan Mills
Frenchman Pt
McNab Pt
Scott Pt
Willow Creek
Eskdale
Bradley
AMABEL
KEPPEL
ARRAN
DERBY
SAUGEEN
SULLIVAN
ELDERSLIE
BRUCE
HURON
CANADIAN NATIONAL

## *Midwestern Ontario Outdoor Recreation Map*

**MAP FEATURES**
Provincial parks, golf courses, hiking trails, aerodromes, hospitals, ski and wildlife management areas, conservation areas, highways, county and regional roads and population centres.

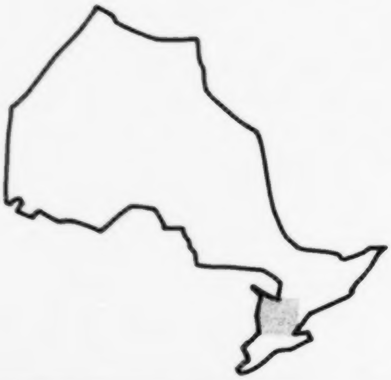
- Coloured map

**SCALE**
1:300,000

**PUBLISHER**
Kitchener-Waterloo Record

**SOURCE**
Cartographic Centre
Faculty of Environmental Studies
University of Waterloo
Waterloo, Ontario
N2L 3G1
Tel. (519) 885-1211 ext. 3110

**COVERAGE**



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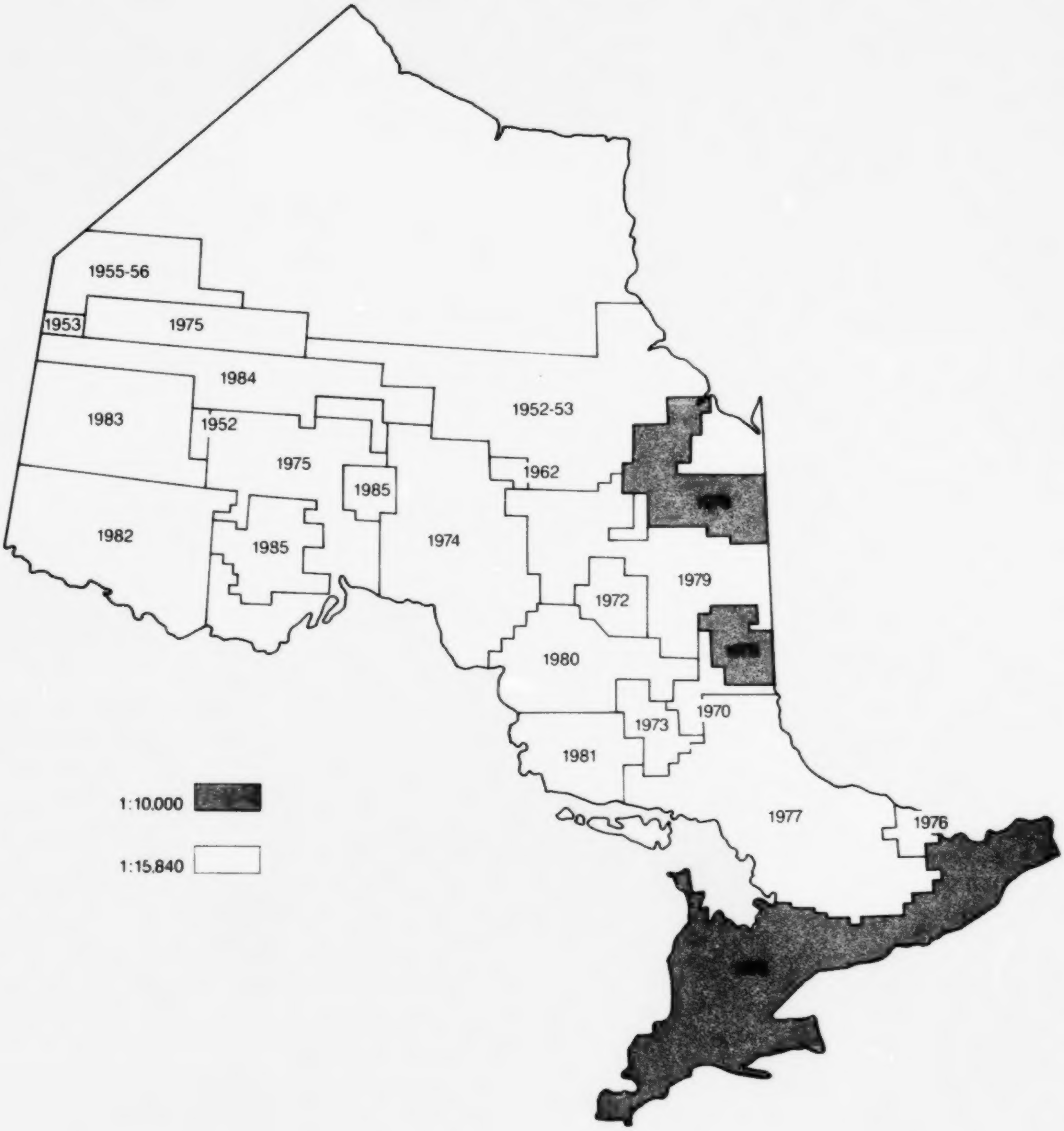
Ontario Base Mapping Program ........ 126


1955-56
1953
1975
1984
1983
1952
1952-53
1975
1985
1962
1982
1985
1974
1979
1972
1980
1970
1973
1981
1977
1976
1:10,000
1:15,840

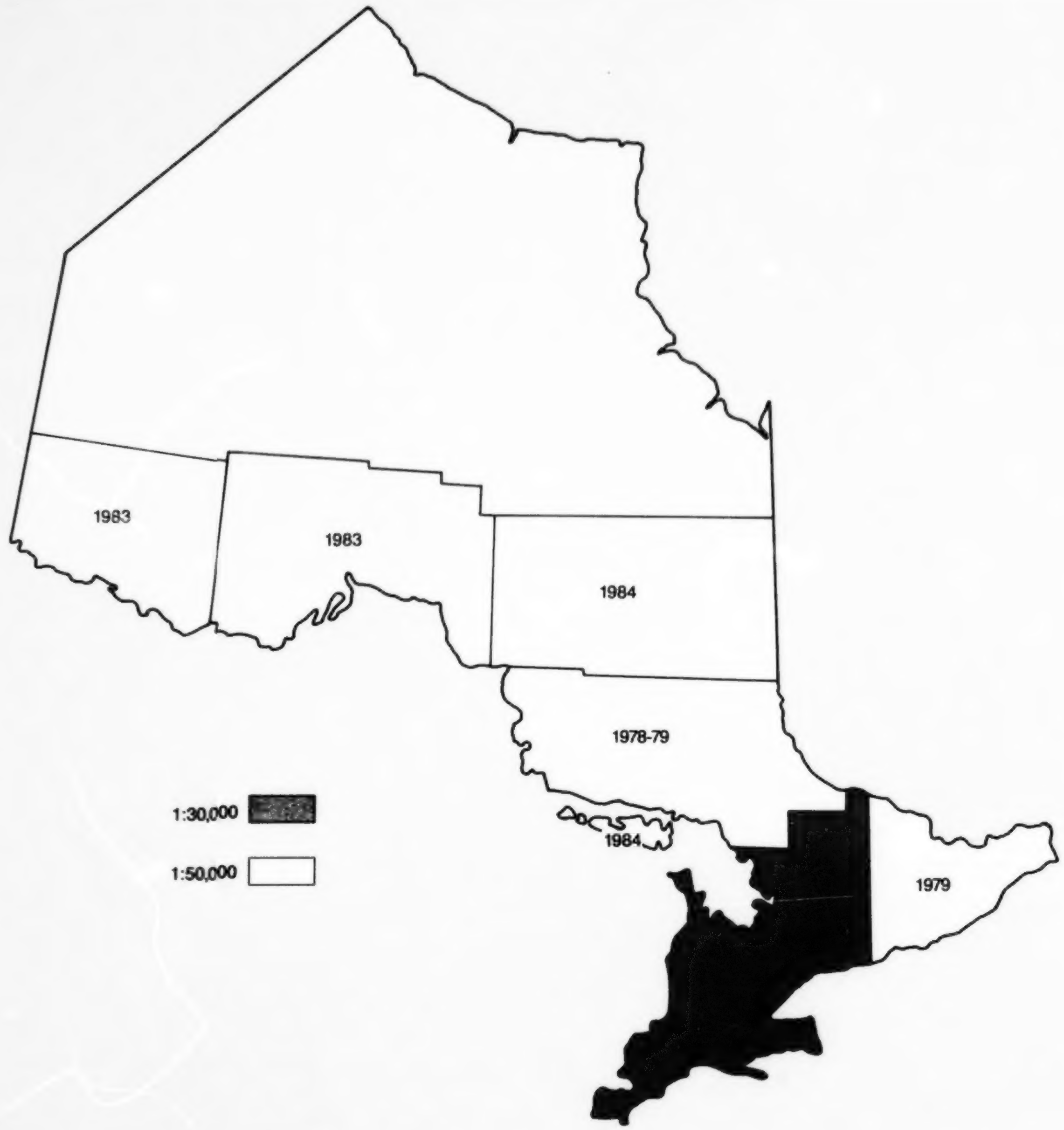
## Forest Resource Inventory (Aerial Photos)

**PUBLISHER**
Ontario Ministry of Natural Resources

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1123

**COSTS**

| | |
|---|---|
| • 10" × 10" contact print | $ 2.30 |
| • 2 × enlargement | $12.75 |
| • 3 × enlargement | $18.50 |
| • 4 × enlargement | $23.60 |
| • 10 × enlargement | $29.00 |


1983
1983
1984
1978-79
1:30,000
1:50,000
1984
1979

---

## *Ontario Basic Mapping Program*

**PUBLISHER**
Ontario Ministry of Natural Resources

**SOURCE**
Ontario Ministry of Natural Resources
Public Information Centre
Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
Tel. (416) 965-1123

**COSTS**

| | |
|---|---|
| • 10" × 10" contact print | $ 2.95 |
| • 2 × enlargement | $12.75 |
| • 3 × enlargement | $18.50 |
| • 4 × enlargement | $23.60 |
| • 10 × enlargement | $29.00 |

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Richards N. R. et al, *A Guide to the Use of Land Information*, Ontario Institute of Pedology, University of Guelph, Guelph, Ontario, 1979.

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